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<p>(21) International Application Number: PCT/EP96/02363</p> <p>(22) International Filing Date: 31 May 1996 (31.05.96)</p> <p>(30) Priority Data: 08/464,372 5 June 1995 (05.06.95) US</p> <p>(71) Applicant (for all designated States except US): RHONE-POULENC AGROCHIMIE [FR/FR]; DPI, 14/20, rue Pierre-Baizet, F-69009 Lyon (FR).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): LOWDER, Patrick, Doyle [US/US]; 3532 Peach Haven Court, Raleigh, NC 27607 (US). MANNING, David, Treadway [US/US]; 102 Summerwinds Drive, Cary, NC 27511 (US). PHILLIPS, Jennifer, Lantz [US/US]; 4977 N.C. Highway 751, Apex, NC 27502 (US). PILATO, Michael, Thomas [US/US]; 206 Livingstone Drive, Cary, NC 27513 (US). WU, Tai-Teh [US/US]; 200 Collinson Drive, Chapel Hill, NC 27514 (US).</p> <p>(74) Agent: BRACHOTTE, Charles; Rhône-Poulenc Agrochimie, DPI, 14/20, rue Pierre-Baizet, F-69009 Lyon (FR).</p>	<p>(81) Designated States: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>	
<p>(54) Title: PESTICIDAL SULFUR COMPOUNDS</p> <p>(57) Abstract</p> <p>Pyrazole, pyrrole and imidazole derivatives having formula (I) or (II) wherein $-X$ is $-NR^3$, $-O$ or an electron pair and Q comprises certain pyrazole, pyrrole and imidazole structures which, together with the remaining substituents, are defined in the description, are useful for controlling arthropod, nematodes, helminth or protozoan pests.</p> <div style="text-align: center;"> $\begin{array}{c} X \\ \diagup \\ S \\ \diagdown \\ R^1 \quad Q \end{array} \quad \begin{array}{c} NR^2 \\ \diagdown \\ S \\ \diagup \\ R^1 \quad Q \end{array} \quad (I)$ </div> <div style="text-align: center;"> $\left[\begin{array}{c} NH_2 \\ \\ S \\ / \quad \backslash \\ R^1 \quad Q \end{array} \right]^{\oplus} \cdot \frac{1}{m} Z^{m\ominus} \quad (II)$ </div>		

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PESTICIDAL SULFUR COMPOUNDS

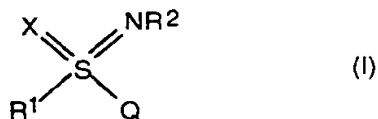
The present invention relates to new sulfur compounds, including sulfilimines and sulfoximines intermediates thereto, and processes to prepare the compounds. The invention further pertains to compositions of said compounds and methods, using said compounds, for the control of arthropod, nematode, helminth or protozoan pests. In particular, it pertains to the application of compounds or compositions thereof in agricultural methods of use, particularly as pesticides.

In the instant specification, the word sulfilimine is used to name compounds comprising the group >S=N- . In the instant specification, the word sulfoximine is used to name compounds comprising >S(O)=N- .

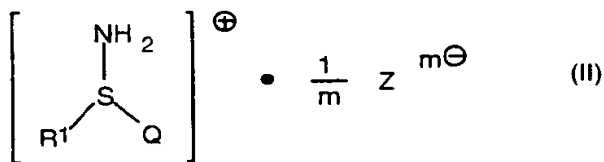
Various pesticidal pyrazoles, pyrroles, and imidazoles have been disclosed: European Patent Publication No 418016; European Patent Publication No 403309; U.S. Patent 5,104,994; European Patent Publication No 352944; U.S. Patent 5,079,370; U.S. Patent 5,047,550; U.S. Patent 5,232,940; U.S. Patent 4,810,720; U.S. Patent 4,804,675; U.S. Patent 5,306,694; U.S. Patent 4,614,533; WPO Publication No. WO 93/06089; and WPO Publication No. WO 94/21606 describe pesticidal (4-pyrazolyl) sulfides, sulfoxides and sulfones. U.S. Patent 5,187,185 describes 4-pyrrolyl sulfides, sulfoxides and sulfones. U.S. Patent 5,223,525 describes pesticidal 4-imidazolyl sulfides, sulfoxides and sulfones.

Due to the many existing pests and crops and conditions of attacks of crops by pests, there is a need for further novel pesticidal compounds.

In one aspect, the present invention provides compounds for use in controlling arthropod, nematode, helminth and protozoan pests, said compounds having the general formula:



or



wherein:

- 5 $=X$ is $=NR^3$, $=O$ or an electron pair (it being understood that, in this situation, another way to represent Formula (I) is to delete $=X$);

R^1 is C_1 - C_6 alkyl, C_3 - C_6 cycloalkyl, or C_4 - C_8 (cycloalkyl)alkyl, each of which is optionally substituted by one or more halogen;

- 10 R^2 and R^3 are independently selected from H; C_1 - C_6 alkyl; C_1 - C_6 haloalkyl; COR^4 ; $S(O)_pR^4$; CN; NO_2 ; $COOR^4$; $CONR^4R^5$; $C(O)SR^4$; $C(S)OR^4$; $SO_2NR^4R^5$; $P(O)_q(R^4)(R^5)$; $P(O)_q(OR^4)(R^5)$; $P(O)_q(OR^4)(OR^5)$; $C=(NR^4)NR^5R^6$; $CH=NR^4$; $C=(NR^4)(OR^5)$; $C(S)N(R^4)(R^5)$; $C(O)C(O)R^4$; $C(O)C(O)OR^4$; $C(O)C(O)NR^4R^5$; and $CONR^4SO_2R^5$;

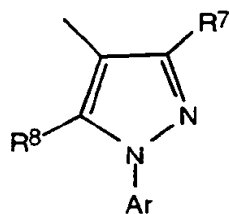
m is 1 or 2;

p is 0, 1 or 2;

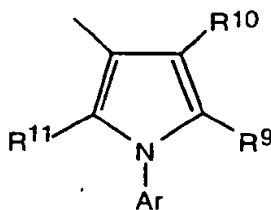
- 15 q is 0 or 1;

R^4 , R^5 and R^6 are independently selected from H; NO_2 ; CN; CHO; R^{14} ; phenyl optionally substituted by one or more of R^{14} , halogen, CN, NO_2 , OR^{14} , SR^{14} , COR^{14} , $COOR^{14}$, or OR^{14} ; halogen; COR^{14} ; $COOR^{14}$; CHO; and OH;

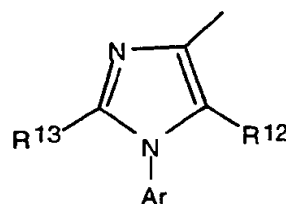
Q is Q-1, Q-2 or Q-3, as designated below:



Q-1



Q-2



Q-3

20

R^7 is CN, NO_2 , H, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, halogen, CHO, or COR^{20} , R^7 ;

3

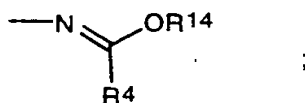
R^8 is H, halogen, CN, $S(O)_p R^{14}$, OR^{14} , $NR^{16}R^{17}$, $N(R^{16})CON(R^{17})(R^{18})$, N_3 or $NH(C_1-C_5 \text{ alkyl})$ substituted by one or more OH, OR^{14} , $S(O)_p R^{14}$, CN, NO_2 , $COOR^{14}$ or $CON(R^{16})(R^{17})$;

R^9 and R^{11} are independently selected from H, halogen, OR^{14} , SR^{14} and R^{14} ;

5 R^{10} is CN;

R^{12} is H, halogen, R^{14} , OR^{14} , $S(O)_p R^{14}$ or

10



R^{13} is H, halogen or R^{14} ;

15 Ar is phenyl, optionally bearing one or more substituents selected from the group consisting of halogen, R^{15} , OR^{15} , SF_5 and $S(O)_p R^{15}$; or Ar is 2-pyridyl, optionally bearing one or more substituents selected from the group consisting of halogen, R^{15} , OR^{15} , SF_5 and $S(O)_p R^{14}$;

R^{14} and R^{19} are independently selected from C_1-C_6 alkyl, C_3-C_6 cycloalkyl, and C_4-C_8 (cycloalkyl)alkyl, each of which is optionally substituted by one or more halogen;

20 R^{15} is C_1-C_6 alkyl, optionally substituted by one or more halogen;

R^{16} , R^{17} and R^{18} are independently selected from H, NO_2 , CN, CHO, R^{19} , COR^{19} , and $COOR^{19}$;

R^{20} is selected from C_1-C_6 alkyl, optionally substituted by one or more halogen; and

25 Z is an anionic counter ion, such as Cl^- , Br^- , I^- , F^- , OSO_2R^+ , ClO_4^- , $OCOR^+$, BF_4^- , SbF_6^- , SO_3^{2-} or HSO_4^- , a phosphate anion or a hydrogenophosphate anion or other agriculturally acceptable anion.

The stereoisomers, *e.g.* diastereomers and optical isomers, having the Formula (I) or (II) are included in the invention as well.

30 Preferred compounds of the present invention include one or more of the following features:

(1) R^1 is optionally halogenated C_1-C_6 alkyl, preferably methyl or ethyl; and/or

(2) R^2 is H, COOR^4 , $\text{S(O)}_p\text{R}^4$, CONR^4R^5 , CN, COR^4 , $\text{P(O)}_q(\text{OR}^4)(\text{OR}^5)$ or $\text{P(O)}_q(\text{R}^4)(\text{R}^5)$; more preferably R^2 is H; or CN; or COOR^4 (in which R^4 is $\text{C}_1\text{-C}_6$ alkyl); or R^2 is $\text{S(O)}_p\text{R}^4$ (in which p is two and R^4 is $\text{C}_1\text{-C}_6$ alkyl or optionally substituted phenyl); or R^2 is CONR^4R^5 (in which R^4 is H or $\text{C}_1\text{-C}_6$ alkyl and R^5 is $\text{C}_1\text{-C}_6$ alkyl, or in which R^4 is H and R^5 is COR^{14} in which R^{14} is optionally halogenated $\text{C}_1\text{-C}_6$ alkyl); or R^2 is COR^4 (in which R^4 is H or $\text{C}_1\text{-C}_6$ alkyl); or R^2 is $\text{P(O)}_q(\text{OR}^4)(\text{OR}^5)$ or $\text{P(O)}_q(\text{R}^4)(\text{R}^5)$ (in which q is one and R^4 and R^5 are each $\text{C}_1\text{-C}_6$ alkyl); and/or

(3) Q is $Q-1$, preferably wherein R^7 is CN or H, or $\text{C}_1\text{-C}_4$ alkyl and/or when R^8 is $\text{N(R}^{16})(\text{R}^{17})$, most preferably when R^8 is NH_2 ; and/or

(4) Ar is phenyl substituted in the 2 and 6 positions by halogen and in the 4 position by halogenated $\text{C}_1\text{-C}_6$ alkyl or SF_5 or OR^{15} , preferably when Ar is 2,6-dichloro-4-trifluoromethylphenyl; or Ar is 2-pyridyl substituted in the 3 position by halogen and in the 5 position by halogenated $\text{C}_1\text{-C}_6$ alkyl or SF_5 or OR^{15} , preferably when Ar is 3-chloro-5-trifluoromethylpyrid-2-yl.

In another aspect, the present invention provides a pesticidal composition (*i.e.* an arthropodicidal, nematocidal, anti-helminth or anti-protozoal composition) comprising a pesticidally effective amount (*i.e.* an arthropodicidally effective amount, a nematocidally effective amount, an effective anti-helminth amount or an effective anti-protozoal amount) of a compound of formula (I) or (II) and an agriculturally acceptable inert carrier therefor. The expression "a compound of formula (I) or (II)" used here and throughout this application includes within its ambit the various stereoisomeric forms of the compounds of formulas (I) and (II) and salts thereof.

In yet another aspect, the invention provides a method for controlling arthropod, nematode, helminths or protozoan pests at a locus, said method comprising applying to said locus a pesticidally effective amount (*i.e.* an arthropodicidally or nematocidally effective amount or an effective anti-helminth or anti-protozoal amount) of a compound of formula (I) or (II) or of a pesticidal composition as defined above.

Compounds of Formula (I) wherein X is O and R^2 is not H are prepared from compounds of Formula (I) wherein X is an electron pair and R^2 is not H [said compounds of Formula (I) also being part of the invention] by oxidation of a sulfur atom into a sulfoximine group according to any method known *per se* by those skilled in the art. Such transformations can be made by various oxidizing reagents, including, but not limited to, potassium permanganate, sodium periodate and ruthenium tetroxide. This transformation

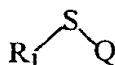
can take place in common solvents such as water, ethers *e.g.* dioxane, nitriles *e.g.* acetonitrile, or halohydrocarbons such as dichloromethane, chloroform, carbontetrachloride and the like, at temperatures between about -100°C and about 100°C, preferably between about 0°C and about 50°C. Such chemistry can be similar to that found in *Tetrahedron*,
5 1975, 31, 505.

Compounds of Formula (I) in which X is an electron pair and R² is other than H can be prepared from compounds of Formula (II) by reaction of an appropriate electrophile R²-L in the presence of a base. R² has the hereinabove-given meaning except that it is not H, and L is a leaving group. Examples of leaving groups L are halides, acetate, phenyl sulfonates,
10 alkyl sulfonates and phenoxy groups. Examples of bases which can be used in the reaction are sodium hydride, triethylamine and potassium tert-butoxide.

Such reactions can take place in a variety of common solvents, such as, but not limited to, ethers such as tetrahydrofuran or dioxane; water; halohydrocarbons such as dichloromethane or chloroform; nitriles such as acetonitrile; and the like. Such reactions can
15 take place at temperatures between about -100°C and about 100°C, but preferably between about 0°C and the boiling temperature of the solvent.

Compounds of Formula (I) in which X is an electron pair and in which R² is H can be prepared from the corresponding compounds of Formula (I) in which R² is an ester grouping COOR¹⁴, by conventional hydrolysis.

20 Compounds of Formula (II) can be prepared from compounds of Formula (III) by amination according to a reaction known *per se* to those skilled in the art.



(III)

Such chemistry can occur upon mixing a sulfide of Formula (III) with an aminating reagent
25 such as, but not limited to, an O-benzoylhydroxylamine, *e.g.* O-(2,4,6-trimethylbenzoyl)hydroxylamine or O-(3-chlorobenzoyl)hydroxylamine; an O-sulfonylhydroxylamines such as, but not limited to, hydroxylamine sulfonic acid or O-(2,4,6-triisopropylbenzenesulfonyl)hydroxylamine; or an O-phosphinic hydroxylamine, such as O-(diphenylphosphinyl)hydroxylamine. This can take place in a variety of solvents,
30 including, but not limited to, water, halogenated hydrocarbons such as dichloromethane, chloroform, dichloroethane and the like, and aromatic solvents like benzene, toluene, xylenes and the like, and can take place at a temperature between about -100°C and about 100°C, 0°C

to the boiling point of the solvent being preferred. Such chemistry may be similar to that found in *Aldrichimica Acta*, 1980, 13(1)3.

Compounds of Formula (I) wherein X is NH and R² is H can be prepared from compounds of Formula (III) by reaction with chloramine [*Tetrahedron*, 1970, 51, 4449].

- 5 Such a reaction can take place in ammonia at a temperature between about -100°C and -33°C.

- Compounds of Formula (I) wherein =X is =NR³ (wherein R³ is as defined above except that it is not hydrogen) and wherein R² is H, can be derived from compounds of Formula (I) wherein =X is NH and R² is H, by reaction of an appropriate electrophile R³-L in the presence of a base. R³ is as defined above except that it is not H, and L is a leaving group. Examples of leaving groups L are halides, acetate, phenyl sulfonates, alkyl sulfonates and phenoxy groups. Examples of bases which can be used in the reaction are sodium hydride, triethylamine and potassium tert-butoxide.
- 10

- Such reactions can take place in a variety of common solvents, such as, but not limited to, ethers such as tetrahydrofuran or dioxane; water; halohydrocarbons such as dichloromethane or chloroform; nitriles such as acetonitrile; and the like. Such reactions can take place at temperatures between about -100°C and about 100°C, but preferably between about 0°C and the boiling temperature of the solvent. Similar reactions are found in *Chem. Ber.*, 1984, 117, 2779.
- 15

- Compounds of Formula (I) wherein =X is =NR³ wherein R² and R³ are the same and neither is hydrogen can be derived from compounds of Formula (I) wherein R² is H and X is NH by reaction with at least two equivalents of an appropriate electrophile R³-L in the presence of a base. R³ has the hereinabove-given meaning except that it is not H, and L is a leaving group. Examples of leaving groups L are halides, acetate, phenyl sulfonates, alkyl sulfonates and phenoxy groups. Examples of bases which can be used in the reaction are sodium hydride, triethylamine and potassium tert-butoxide.
- 20
- 25

- Such reactions can take place in a variety of common solvents, such as, but not limited to, ethers such as tetrahydrofuran or dioxane; water; halohydrocarbons such as dichloromethane or chloroform; nitriles such as acetonitrile; and the like. Such reactions can take place at temperatures between about -100°C and about 100°C, but preferably between about 0°C and the boiling temperature of the solvent. Similar reactions are found in *Lieb. Ann. Chem.*, 1972, 759, 107.
- 30

Compounds of Formula (III) are known in the art. For example, those wherein Q is Q-1 are described in European Patent Publication No 418016; European Patent Publication No 403309; U.S. Patent 5,104,994; European Patent Publication No 352944; U.S. Patent 5,079,370; U.S. Patent 5,047,550; U.S. Patent 5,232,940; U.S. Patent 4,810,720; U.S. Patent 4,804,675; U.S. Patent 5,306,694; U.S. Patent 4,614,533; WPO Publication No. 93/06089 and WPO Publication No. 94/21606. The compounds of Formula (III) wherein Q is Q-2 are described in U.S. Patent 5,187,185. Compounds of Formula (III) wherein Q is Q-3 are described in U.S. Patent 5,223,525.

In the many transformations hereinabove described, it is apparent that selected substituents may occasionally interfere in the contemplated reactions. Such undesired effects can be avoided by using appropriate protecting groups to prevent the unwanted side reactions. It is also possible to use reagents that do not affect functional groups other than those desired to be changed. The particular choice of the appropriate protecting groups and reagents will be easily understood by those skilled in the art. The use of *Chemical Abstracts* is considered and suggested as part of the knowledge of the person skilled in the art.

In order to further illustrate the present invention and the advantages thereof, the following specific examples are given, it being understood that these examples are for the purpose of illustration only and in no way limit the scope of the invention.

EXAMPLE 1

2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]pyrazolyl-S-ethylsulfilimine:

5 Ethyl O-mesitylene sulfonylacetohydroxamate (10 g, 0.035 mol) was dissolved in dioxane (10 mL) and cooled to 0°C. 70% Perchloric acid (3.3 mL, 0.038 mol) was added and the mixture was stirred for 10 minutes. Water (200 mL) was added and the remaining solid was filtered, washed with water, then dissolved in methylene chloride (50 mL) and separated from the aqueous phase.

10 5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl-4-ethylthiopyrazole (10.7 g, 0.028 mol) was dissolved in methylene chloride (50 mL) and the resulting solution was cooled to 0°C. The solution from above was added. After stirring for 1 hr at 0°C and then at room temperature, methylene chloride was removed and diethyl ether was added (200 mL). The resulting solid was filtered to provide the title compound as a white solid (12.45 g, 75%), m.p. about 193°C.

15 In a similar manner, the following were prepared: 2,4,6-Trimethylbenzene-sulfonic acid, compound with S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]pyrazolyl-S-methylsulfilimine, m.p. about 180°C hereinafter know as EXAMPLE 1a; 2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl]pyrazolyl-S-methylsulfilimine, m.p. about 187°C C
20 hereinafter know as EXAMPLE 1b.

The following two compounds were also prepared by the above method, but were not isolated, but used as in EXAMPLE 2: 2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-methyl]pyrazolyl-S-ethylsulfilimine and 2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-ethyl]pyrazolyl-S-ethylsulfilimine.
25

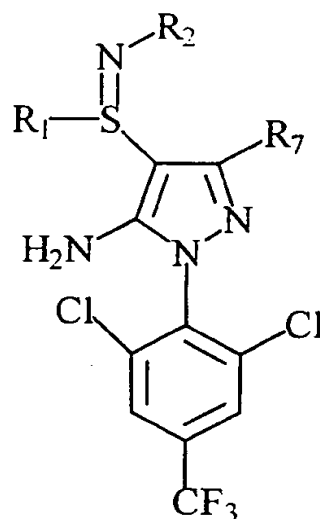
EXAMPLE 2

S-{{[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}}-S-ethyl-N-(tert-butoxycarbonyl)sulfilimine:

The product of EXAMPLE 1 (1.0 g, 1.7 mmol) was stirred in methylene chloride (10 mL), cooled to 0°C, and triethylamine (1.2 mL, 8.5 mmol) was added. Di-tert-butylidicarbonate (0.6 mL, 2.6 mmol) was added and the reaction was stirred 50 minutes. The mixture was diluted with diethyl ether and washed with water (3 x 50 mL) and saturated aqueous sodium chloride solution (75 mL). The organic layer was dried, filtered and concentrated. The resulting oil was mixed with cold pentane and the precipitate was filtered. The solid was recombined with the filtrate and solvent was removed and the oil filtered through silica gel using 2:3 ethyl acetate:hexane as eluent. After removal of solvent, precipitation from diethyl ether/pentane provided the title compound as a white solid (0.36 g, 43%), m.p. about 191°C.

In a similar manner, the following compounds were prepared (TABLE 1).

10
TABLE 1



EXAMPLE #	R ¹	R ²	R ⁷	m.p.
3	Et	COMe	CN	about 163°C
4	Et	COOMe	CN	about 200°C
5	Et	SO ₂ Me	CN	about 191°C
6	Et	CONHMe	CN	about 187°C
7	Et	CN	CN	about 175°C
8	Et	CHO	CN	about 181°C
9	Me	COMe	CN	about 159°C
10	Et	PO(OEt) ₂	CN	gum
11	Et	CON(Me) ₂	CN	about 173°C
12	Et	PO(Me) ₂	CN	about 150°C
13	Et	CONHCOCCl ₃	CN	about 116°C
14	Et	CONHCOCH ₂ Cl	CN	about 159°C
15	Et	C(S)NHMe	CN	about 90°C

TABLE 1 (Continued)

EXAMPLE #	R ¹	R ²	R ⁷	m.p.
16	Et	CONHCH ₂ COOEt	CN	about 91°C
17	Me	C(S)NHMe	CN	about 95°C
18	Et	CONHCOOEt	CN	about 167°C
19	Me	CHO	CN	about 160°C
20	Me	CN	CN	about 181°C
21	Me	C(O)C(O)Me	CN	about 204°C
22	Me	COO ^t Bu	CN	about 196°C
23	Me	CHO	H	about 199°C
24	Me	COMe	H	about 181°C
25	Me	CN	H	about 182°C
26	Et	CHO	Me	about 159°C
27	Et	CN	Me	about 67°C
28	Et	CHO	Et	gum
29	Et	CN	Et	about 64°C

EXAMPLE 30**N-(tert-Butoxycarbonyl)-S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenylpyrazolyl]-S-ethylsulfoximine:**

The product of EXAMPLE 2 (1.55 g, 31 mmol) was dissolved in a 1:1 mixture of
5 acetonitrile:carbon tetrachloride (19 mL). Sodium metaperiodate (2.7 g, 12.4 mmol) was
added as a solution in water (19 mL). Ruthenium (III) chloride hydrate (20 mg; used to make
the tetroxide *in situ*) and acetonitrile (25 mL) were added. After 2 hours, more sodium
periodate (1.8 g, 8.2 mmol) and ruthenium (III) chloride hydrate (15 mg; forming the oxide
in situ) were added and the reaction was stirred for 30 minutes. Then water (100 mL) and
10 diethyl ether (100 mL) and isopropanol (2 mL) were successively added and mixed.
Separation of the organic phase was followed by washes with water (100 mL) and saturated
aqueous sodium chloride solution (100 mL). After drying over magnesium sulfate, the
mixture was filtered and the solvent was removed to provide an oily residue which was
trituated with cold diethyl ether and methylene chloride to provide the title compound as a
15 brown, gummy solid (0.94 g, 60%). The proton nuclear magnetic resonance spectrum made
in CDCl₃ has the following chemical shifts: 7.81 (m, 2H); 5.57 (brs, 2H); 3.7 - 3.5 (m, 2H);
1.44 (s, 9H); 1.39 (t, 3H).

In a similar manner, N-Acetyl-S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-
trifluoromethyl)phenylpyrazolyl]-S-ethylsulfoximine (m.p. about 217°C) was prepared,
20 hereinafter known as EXAMPLE 30a.

EXAMPLE 31**S-4-[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenylpyrazolyl]-S-ethylsulfoximine:**

25 The product of EXAMPLE 30 (0.1 g, 0.2 mmol) was dissolved in 2 mL of
acetonitrile. Powdered molecular sieves (0.1 g), sodium iodide (0.07 g, 0.46 mmol) and
chlorotrimethylsilane (0.06 mL, 0.46 mmol) were combined in 2 mL acetonitrile and the
above solution added to it. After 25 minutes, the mixture was diluted with diethyl ether (7
mL) and sequentially washed with water, 10% aqueous hydrochloric acid solution and
30 saturated aqueous sodium chloride solution. The organic phase was dried over sodium
sulfate, filtered and concentrated under reduced pressure. The residual oil was trituated with
cold pentane and dichloromethane to leave the desired product as a yellow solid (46 mg)
having a melting point of about 86°C.

EXAMPLE 32

S-[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl-4-(1H-pyrazolyl)]-S-methyl-N-[(4-methylphenyl)sulfonyl]sulfilimine:

- 5 To a stirred solution of 5-amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-4-methylthio-1H-pyrazole-3-carbonitrile (0.99 g, 2.7 mmol) in acetonitrile (25 mL) was added an aqueous solution of N-chloro-p-toluenesulfonamide, sodium salt, hydrate (Chloramine-T hydrate) (0.61 g, 2.7 mmol) in water (5 mL), over a 2-minute interval. Stirring under ambient conditions was continued for approximately 2 hours and the mixture then heated to
- 10 boiling on a steam bath for 1 hour. Volatiles were removed under reduced pressure and the residue chromatographed on silica gel, eluting with 3:1 ethyl acetate/hexane, to give 0.81 g of the title compound as a solid having a melting point of about 197°C.

EXAMPLE 33**S-4-[5-Amino-3-cyano-1-(2-(3-chloro-5-trifluoromethyl)pyridyl)pyrazolyl]-S-ethylsulfoxide**

5 Ethyl O-mesitylene sulfonylacetohydroxamate (0.47 g, 1.64 mmol) was dissolved in dioxane (1 mL) and cooled to 0°C. 70% Perchloric acid (0.5 mL) was added and the mixture was stirred for 10 minutes. Water was added and the remaining solid was filtered, washed with water, then dissolved in methylene chloride and separated from the aqueous phase.

10 5-Amino-3-cyano-1-(2-(3-chloro-5-trifluoromethyl)pyridyl)-4-ethylsulfinylpyrazole (0.5 g, 1.37 mmol) was dissolved in methylene chloride (25 mL) and the resulting solution was cooled to 0°C. The solution from above was added. After one month, the mixture was concentrated to a solid and washed repeatedly until no starting pyrazole remained. This provided the title compound as a white solid, m.p. around 193°C.

Further illustrative specific compounds of the invention are set forth below in
15 **TABLES 2-5** below. Throughout these tables, the notation "•••" is used to indicate a lone electron pair.

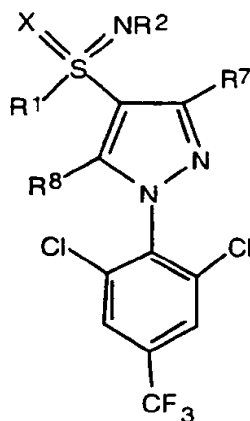
TABLE 2

5

10

15

20



R¹	R⁷	R⁸	NR²	X
Me	CN	NH ₂	NCOEt	..
Me	CN	NH ₂	NCOPr	..
Me	CN	NH ₂	NCOiPr	..
Me	CN	NH ₂	NCOtBu	..
Me	CN	NH ₂	NCOPh	..
Me	CN	NH ₂	NSO ₂ Et	xx
Me	CN	NH ₂	NSO ₂ Ph	..
Me	CN	NH ₂	NSO ₂ Pr	..
Me	CN	NH ₂	NSO ₂ iPr	..
Me	CN	NH ₂	NNO ₂	..
Me	CN	NH ₂	NCOOEt	..
Me	CN	NH ₂	NCOOPh	..

TABLE 2, Continued

R¹	R⁷	R⁸	NR²	X
Me	CN	NH ₂	NCOOPr	..
Me	CN	NH ₂	NCOOiPr	..
Me	CN	NH ₂	NCONHEt	..
Me	CN	NH ₂	NCONHPr	..
Me	CN	NH ₂	NCONHiPr	..
Me	CN	NH ₂	NCOSMe	..
Me	CN	NH ₂	NCOSEt	..
Me	CN	NH ₂	NCSOMe	..
Me	CN	NH ₂	NCSOEt	..
Me	CN	NH ₂	NCSOPr	..
Me	CN	NH ₂	NSO ₂ NH ₂	..
Me	CN	NH ₂	NSO ₂ NHMe	..
Me	CN	NH ₂	NSO ₂ NMe ₂	..
Me	CN	NH ₂	NP(O)(OMe) ₂	..
Me	CN	NH ₂	NP(O)(OMe)(OMe)	..
Me	CN	NH ₂	NP(O)(OPr) ₂	..
Me	CN	NH ₂	NP(O)(Et) ₂	..
Me	CN	NH ₂	NC(O)C(O)H	..
Me	CN	NH ₂	NC(O)C(O)Me	..
Me	CN	NH ₂	NC(O)C(O)OMe	..
Me	CN	NH ₂	NC(O)C(O)OEt	..
Me	CN	NH ₂	NC(O)C(O)NH ₂	..
Me	CN	NH ₂	NC(O)C(O)OH	..
Me	CN	NH ₂	NC(NH)NH ₂	..

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Me	CN	NH ₂	NC(NO ₂)NH ₂	"
Me	CN	NH ₂	NC(NH)NHMe	"
Me	CN	NH ₂	NC(NH)NMe ₂	"
Me	CN	NH ₂	NC(NH)OMe	"
Me	CN	NH ₂	NC(NH)OEt	"
Et	CN	NH ₂	NCOEt	"
Et	CN	NH ₂	NCOPr	"
Et	CN	NH ₂	NCOiPr	"
Et	CN	NH ₂	NCOtBu	"
Et	CN	NH ₂	NCOPh	"
Et	CN	NH ₂	NSO ₂ Et	"
Et	CN	NH ₂	NSO ₂ Ph	"
Et	CN	NH ₂	NSO ₂ Pr	"
Et	CN	NH ₂	NSO ₂ iPr	"
Et	CN	NH ₂	NNO ₂	"
Et	CN	NH ₂	NCOOEt	"
Et	CN	NH ₂	NCOOPh	"
Et	CN	NH ₂	NCOOPr	"
Et	CN	NH ₂	NCOOiPr	"
Et	CN	NH ₂	NCONHEt	"
Et	CN	NH ₂	NCONHPr	"
Et	CN	NH ₂	NCONHiPr	"
Et	CN	NH ₂	NCOSMe	"
Et	CN	NH ₂	NCOSEt	"
Et	CN	NH ₂	NCSOMe	"
Et	CN	NH ₂	NCSOEt	"
Et	CN	NH ₂	NCSOPr	"
Et	CN	NH ₂	NSO ₂ NH ₂	"

Et	CN	NH ₂	NSO ₂ NHMe	..
Et	CN	NH ₂	NSO ₂ NMe ₂	..
Et	CN	NH ₂	NP(O)(OMe) ₂	..
Et	CN	NH ₂	NP(O)(OMe)(OMe)	..
Et	CN	NH ₂	NP(O)(OPr) ₂	..
Et	CN	NH ₂	NP(O)(Et) ₂	..
Et	CN	NH ₂	NC(O)C(O)H	..
Et	CN	NH ₂	NC(O)C(O)Me	..
Et	CN	NH ₂	NC(O)C(O)OMe	..
Et	CN	NH ₂	NC(O)C(O)OEt	..
Et	CN	NH ₂	NC(O)C(O)NH ₂	..
Et	CN	NH ₂	NC(O)C(O)OH	..
Et	CN	NH ₂	NC(NH)NH ₂	..
Et	CN	NH ₂	NC(NOH)NH ₂	..
Et	CN	NH ₂	NC(NH)NHMe	..
Et	CN	NH ₂	NC(NH)NMe ₂	..
Et	CN	NH ₂	NC(NH)OMe	..
Et	CN	NH ₂	NC(NH)OEt	..
Me	CN	NHMe	NCOMe	..
Me	CN	NHMe	NCOEt	..
Me	CN	NHMe	NCOPr	..
Me	CN	NHMe	NCHO	..
Me	CN	NHMe	NCOiPr	..
Me	CN	NHMe	NCOtBu	..
Me	CN	NHMe	NCOPh	..
Me	CN	NHMe	NSO ₂ Me	..
Me	CN	NHMe	NSO ₂ Et	..
Me	CN	NHMe	NSO ₂ Pr	..

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Me	CN	NHMe	NSO ₂ Ph	..
Me	CN	NHMe	NSO ₂ iPr	..
Me	CN	NHMe	NNO ₂	..
Me	CN	NHMe	NCOOMe	..
Me	CN	NHMe	NCOOEt	..
Me	CN	NHMe	NCOOPr	..
Me	CN	NHMe	NCOOiPr	..
Me	CN	NHMe	NCONHEt	..
Me	CN	NHMe	NCONHPr	..
Me	CN	NHMe	NCONH ₂	..
Me	CN	NHMe	NCONHMe	..
Me	CN	NHMe	NCN	..
Me	CN	NHMe	NCOSMe	..
Me	CN	NHMe	NCOSEt	..
Me	CN	NHMe	NCSOMe	..
Me	CN	NHMe	NCSOEt	..
Me	CN	NHMe	NCSOPr	..
Me	CN	NHMe	NSO ₂ NH ₂	..
Me	CN	NHMe	NSO ₂ NHMe	..
Me	CN	NHMe	NSO ₂ NMe ₂	..
Me	CN	NHMe	NP(O)(OMe) ₂	..
Me	CN	NHMe	NP(O)(OEt) ₂	..
Me	CN	NHMe	NP(O)Me ₂	..
Me	CN	NHMe	NP(O)Et ₂	..
Me	CN	NHMe	NP(O)Me(OMe)	..
Me	CN	NHMe	NP(O)(OPr) ₂	..
Me	CN	NHMe	NC(O)C(O)H	..
Me	CN	NHMe	NC(O)C(O)Me	..

Me	CN	NHMe	NC(O)C(O)OMe	..
Me	CN	NHMe	NC(O)C(O)OEt	..
Me	CN	NHMe	NC(O)C(O)NH ₂	..
Me	CN	NHMe	NC(O)C(O)OH	..
Me	CN	NHMe	NC(NH)NH ₂	..
Me	CN	NHMe	NC(NOH)NH ₂	..
Me	CN	NHMe	NC(NH)NHMe	..
Me	CN	NHMe	NC(NH)NMe ₂	..
Me	CN	NHMe	NC(NH)OMe	..
Me	CN	NHMe	NC(NH)OEt	..
Me	CN	NHEt	NCOMe	..
Me	CN	NHEt	NCOEt	..
Me	CN	NHEt	NCOPr	..
Me	CN	NHEt	NCHO	..
Me	CN	NHEt	NCOiPr	..
Me	CN	NHEt	NCOtBu	..
Me	CN	NHEt	NCOPh	..
Me	CN	NHEt	NSO ₂ Me	..
Me	CN	NHEt	NSO ₂ Et	..
Me	CN	NHEt	NSO ₂ Pr	..
Me	CN	NHEt	NSO ₂ Ph	..
Me	CN	NHEt	NSO ₂ iPr	..
Me	CN	NHEt	NNO ₂	..
Me	CN	NHEt	NCOOMe	..
Me	CN	NHEt	NCOOEt	..
Me	CN	NHEt	NCOOPr	..
Me	CN	NHEt	NCOOiPr	..
Me	CN	NHEt	NCONHEt	..

Me	CN	NHEt	NCONHPr	..
Me	CN	NHEt	NCONH ₂	..
Me	CN	NHEt	NCONHMe	..
Me	CN	NHEt	NCN	..
Me	CN	NHEt	NCOSMe	..
Me	CN	NHEt	NCOSet	..
Me	CN	NHEt	NCSOMe	..
Me	CN	NHEt	NCSOEt	..
Me	CN	NHEt	NCSOPr	..
Me	CN	NHEt	NSO ₂ NH ₂	..
Me	CN	NHEt	NSO ₂ NHMe	..
Me	CN	NHEt	NSO ₂ NMe ₂	..
Me	CN	NHEt	NP(O)(OMe) ₂	..
Me	CN	NHEt	NP(O)(OEt) ₂	..
Me	CN	NHEt	NP(O)Me ₂	..
Me	CN	NHEt	NP(O)Et ₂	..
Me	CN	NHEt	NP(O)Me(OMe)	..
Me	CN	NHEt	NP(O)(OPr) ₂	..
Me	CN	NHEt	NC(O)C(O)H	..
Me	CN	NHEt	NC(O)C(O)Me	..
Me	CN	NHEt	NC(O)C(O)OMe	..
Me	CN	NHEt	NC(O)C(O)OEt	..
Me	CN	NHEt	NC(O)C(O)NH ₂	..
Me	CN	NHEt	NC(O)C(O)OH	..
Me	CN	NHEt	NC(NH)NH ₂	..
Me	CN	NHEt	NC(NOH)NH ₂	..
Me	CN	NHEt	NC(NH)NHMe	..
Me	CN	NHEt	NC(NH)NMe ₂	..

Me	CN	NHEt	NC(NH)OMe	..
Me	CN	NHEt	NC(NH)OEt	..
Me	CN	NHPr	NCOMe	..
Me	CN	NHPr	NCOEt	..
Me	CN	NHPr	NCOPr	..
Me	CN	NHPr	NCHO	..
Me	CN	NHPr	NCOiPr	..
Me	CN	NHPr	NCOtBu	..
Me	CN	NHPr	NCOPh	..
Me	CN	NHPr	NSO ₂ Me	..
Me	CN	NHPr	NSO ₂ Et	..
Me	CN	NHPr	NSO ₂ Pr	..
Me	CN	NHPr	NSO ₂ Ph	..
Me	CN	NHPr	NSO ₂ iPr	..
Me	CN	NHPr	NNO ₂	..
Me	CN	NHPr	NCOOMe	..
Me	CN	NHPr	NCOOEt	..
Me	CN	NHPr	NCOOPr	..
Me	CN	NHPr	NCOOiPr	..
Me	CN	NHPr	NCONHEt	..
Me	CN	NHPr	NCONHPr	..
Me	CN	NHPr	NCONH ₂	..
Me	CN	NHPr	NCONHMe	..
Me	CN	NHPr	NCN	..
Me	CN	NHPr	NCOSMe	..
Me	CN	NHPr	NCOSEt	..
Me	CN	NHPr	NCSOMe	..
Me	CN	NHPr	NCSOEt	..

Me	CN	NHPr	NCSOPr	..
Me	CN	NHPr	NSO ₂ NH ₂	..
Me	CN	NHPr	NSO ₂ NHMe	..
Me	CN	NHPr	NSO ₂ NMe ₂	..
Me	CN	NHPr	NP(O)(OMe) ₂	..
Me	CN	NHPr	NP(O)(OEt) ₂	..
Me	CN	NHPr	NP(O)Me ₂	..
Me	CN	NHPr	NP(O)Et ₂	..
Me	CN	NHPr	NP(O)Me(OMe)	..
Me	CN	NHPr	NP(O)(OPr) ₂	..
Me	CN	NHPr	NC(O)C(O)H	..
Me	CN	NHPr	NC(O)C(O)Me	..
Me	CN	NHPr	NC(O)C(O)OMe	..
Me	CN	NHPr	NC(O)C(O)OEt	..
Me	CN	NHPr	NC(O)C(O)NH ₂	..
Me	CN	NHPr	NC(O)C(O)OH	..
Me	CN	NHPr	NC(NH)NH ₂	..
Me	CN	NHPr	NC(NOH)NH ₂	..
Me	CN	NHPr	NC(NH)NHMe	..
Me	CN	NHPr	NC(NH)NMe ₂	..
Me	CN	NHPr	NC(NH)OMe	..
Me	CN	NHPr	NC(NH)OEt	..
Et	CN	NHMe	NCOMe	..
Et	CN	NHMe	NCOEt	..
Et	CN	NHMe	NCOPr	..
Et	CN	NHMe	NCHO	..
Et	CN	NHMe	NCOiPr	..
Et	CN	NHMe	NCOtBu	..

Et	CN	NHMe	NCOPh	..
Et	CN	NHMe	NSO ₂ Me	..
Et	CN	NHMe	NSO ₂ Et	..
Et	CN	NHMe	NSO ₂ Pr	..
Et	CN	NHMe	NSO ₂ Ph	..
Et	CN	NHMe	NSO ₂ iPr	..
Et	CN	NHMe	NNO ₂	..
Et	CN	NHMe	NCOOMe	..
Et	CN	NHMe	NCOOEt	..
Et	CN	NHMe	NCOOPr	..
Et	CN	NHMe	NCOOiPr	..
Et	CN	NHMe	NCONHEt	..
Et	CN	NHMe	NCONHPr	..
Et	CN	NHMe	NCONH ₂	..
Et	CN	NHMe	NCONHMe	..
Et	CN	NHMe	NCN	..
Et	CN	NHMe	NCOSMe	..
Et	CN	NHMe	NCOSEt	..
Et	CN	NHMe	NCSOMe	..
Et	CN	NHMe	NCSOEt	..
Et	CN	NHMe	NCSOPr	..
Et	CN	NHMe	NSO ₂ NH ₂	..
Et	CN	NHMe	NSO ₂ NHMe	..
Et	CN	NHMe	NSO ₂ NMe ₂	..
Et	CN	NHMe	NP(O)(OMe) ₂	..
Et	CN	NHMe	NP(O)(OEt) ₂	..
Et	CN	NHMe	NP(O)Me ₂	..
Et	CN	NHMe	NP(O)Et ₂	..

Et	CN	NHMe	NP(O)Me(OMe)	..
Et	CN	NHMe	NP(O)(OPr) ₂	..
Et	CN	NHMe	NC(O)C(O)H	..
Et	CN	NHMe	NC(O)C(O)Me	..
Et	CN	NHMe	NC(O)C(O)OMe	..
Et	CN	NHMe	NC(O)C(O)OEt	..
Et	CN	NHMe	NC(O)C(O)NH ₂	..
Et	CN	NHMe	NC(O)C(O)OH	..
Et	CN	NHMe	NC(NH)NH ₂	..
Et	CN	NHMe	NC(NOH)NH ₂	..
Et	CN	NHMe	NC(NH)NHMe	..
Et	CN	NHMe	NC(NH)NMe ₂	..
Et	CN	NHMe	NC(NH)OMe	..
Et	CN	NHMe	NC(NH)OEt	..
Et	CN	NHEt	NCOMe	..
Et	CN	NHEt	NCOEt	..
Et	CN	NHEt	NCOPr	..
Et	CN	NHEt	NCHO	..
Et	CN	NHEt	NCOiPr	..
Et	CN	NHEt	NCOtBu	..
Et	CN	NHEt	NCOPh	..
Et	CN	NHEt	NSO ₂ Me	..
Et	CN	NHEt	NSO ₂ Et	..
Et	CN	NHEt	NSO ₂ Pr	..
Et	CN	NHEt	NSO ₂ Ph	..
Et	CN	NHEt	NSO ₂ iPr	..
Et	CN	NHEt	NNO ₂	..
Et	CN	NHEt	NCOOMe	..

Et	CN	NHEt	NCOOEt	..
Et	CN	NHEt	NCOOPr	..
Et	CN	NHEt	NCOOiPr	..
Et	CN	NHEt	NCONHEt	..
Et	CN	NHEt	NCONHPr	..
Et	CN	NHEt	NCONH ₂	..
Et	CN	NHEt	NCONHMe	..
Et	CN	NHEt	NCN	..
Et	CN	NHEt	NCOSMe	..
Et	CN	NHEt	NCOSEt	..
Et	CN	NHEt	NCSOMe	..
Et	CN	NHEt	NCSOEt	..
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Et	CN	NHEt	NSO ₂ NH ₂	..
Et	CN	NHEt	NSO ₂ NHMe	..
Et	CN	NHEt	NSO ₂ NMe ₂	..
Et	CN	NHEt	NP(O)(OMe) ₂	..
Et	CN	NHEt	NP(O)(OEt) ₂	..
Et	CN	NHEt	NP(O)Me ₂	..
Et	CN	NHEt	NP(O)Et ₂	..
Et	CN	NHEt	NP(O)Me(OMe)	..
Et	CN	NHEt	NP(O)(OPr) ₂	..
Et	CN	NHEt	NC(O)C(O)H	..
Et	CN	NHEt	NC(O)C(O)Me	..
Et	CN	NHEt	NC(O)C(O)OMe	..
Et	CN	NHEt	NC(O)C(O)OEt	..
Et	CN	NHEt	NC(O)C(O)NH ₂	..
Et	CN	NHEt	NC(O)C(O)OH	..

Et	CN	NHEt	NC(NH)NH ₂	..
Et	CN	NHEt	NC(NO ₂)NH ₂	..
Et	CN	NHEt	NC(NH)NHMe	..
Et	CN	NHEt	NC(NH)NMe ₂	..
Et	CN	NHEt	NC(NH)OMe	..
Et	CN	NHEt	NC(NH)OEt	..
Et	CN	NHPr	NCOMe	..
Et	CN	NHPr	NCOEt	..
Et	CN	NHPr	NCOPr	..
Et	CN	NHPr	NCHO	..
Et	CN	NHPr	NCOiPr	..
Et	CN	NHPr	NCOtBu	..
Et	CN	NHPr	NCOPh	..
Et	CN	NHPr	NSO ₂ Me	..
Et	CN	NHPr	NSO ₂ Et	..
Et	CN	NHPr	NSO ₂ Pr	..
Et	CN	NHPr	NSO ₂ Ph	..
Et	CN	NHPr	NSO ₂ iPr	..
Et	CN	NHPr	NNO ₂	..
Et	CN	NHPr	NCOOMe	..
Et	CN	NHPr	NCOOEt	..
Et	CN	NHPr	NCOOPr	..
Et	CN	NHPr	NCOOiPr	..
Et	CN	NHPr	NCONHEt	..
Et	CN	NHPr	NCONHPr	..
Et	CN	NHPr	NCONH ₂	..
Et	CN	NHPr	NCONHMe	..
Et	CN	NHPr	NCN	..

Et	CN	NHPr	NCOSMe	"
Et	CN	NHPr	NCOSEt	"
Et	CN	NHPr	NCSOMe	"
Et	CN	NHPr	NCSOEt	"
Et	CN	NHPr	NCSOPr	"
Et	CN	NHPr	NSO ₂ NH ₂	"
Et	CN	NHPr	NSO ₂ NHMe	"
Et	CN	NHPr	NSO ₂ NMe ₂	"
Et	CN	NHPr	NP(O)(OMe) ₂	"
Et	CN	NHPr	NP(O)(OEt) ₂	"
Et	CN	NHPr	NP(O)Me ₂	"
Et	CN	NHPr	NP(O)Et ₂	"
Et	CN	NHPr	NP(O)Me(OMe)	"
Et	CN	NHPr	NP(O)(OPr) ₂	"
Et	CN	NHPr	NC(O)C(O)H	"
Et	CN	NHPr	NC(O)C(O)Me	"
Et	CN	NHPr	NC(O)C(O)OMe	"
Et	CN	NHPr	NC(O)C(O)OEt	"
Et	CN	NHPr	NC(O)C(O)NH ₂	"
Et	CN	NHPr	NC(O)C(O)OH	"
Et	CN	NHPr	NC(NH)NH ₂	"
Et	CN	NHPr	NC(NOH)NH ₂	"
Et	CN	NHPr	NC(NH)NHMe	"
Et	CN	NHPr	NC(NH)NMe ₂	"
Et	CN	NHPr	NC(NH)OMe	"
Et	CN	NHPr	NC(NH)OEt	"
Me	CN	NH ₂	NCOMe	O
Me	CN	NH ₂	NCOEt	O

Me	CN	NH ₂	NCOPr	O
Me	CN	NH ₂	NCHO	O
Me	CN	NH ₂	NCOiPr	O
Me	CN	NH ₂	NCOtBu	O
Me	CN	NH ₂	NCOPh	O
Me	CN	NH ₂	NSO ₂ Me	O
Me	CN	NH ₂	NSO ₂ Et	O
Me	CN	NH ₂	NSO ₂ Pr	O
Me	CN	NH ₂	NSO ₂ Ph	O
Me	CN	NH ₂	NSO ₂ iPr	O
Me	CN	NH ₂	NNO ₂	O
Me	CN	NH ₂	NCOOMe	O
Me	CN	NH ₂	NCOOEt	O
Me	CN	NH ₂	NCOOPr	O
Me	CN	NH ₂	NCOOiPr	O
Me	CN	NH ₂	NCONHEt	O
Me	CN	NH ₂	NCONHPr	O
Me	CN	NH ₂	NCONH ₂	O
Me	CN	NH ₂	NCONHMe	O
Me	CN	NH ₂	NCN	O
Me	CN	NH ₂	NCOSMe	O
Me	CN	NH ₂	NCOSEt	O
Me	CN	NH ₂	NCSOMe	O
Me	CN	NH ₂	NCSOEt	O
Me	CN	NH ₂	NCSOPr	O
Me	CN	NH ₂	NSO ₂ NH ₂	O
Me	CN	NH ₂	NSO ₂ NHMe	O
Me	CN	NH ₂	NSO ₂ NMe ₂	O

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Me	CN	NH ₂	NP(O)(OMe) ₂	O
Me	CN	NH ₂	NP(O)(OEt) ₂	O
Me	CN	NH ₂	NP(O)Me ₂	O
Me	CN	NH ₂	NP(O)Et ₂	O
Me	CN	NH ₂	NP(O)Me(OMe)	O
Me	CN	NH ₂	NP(O)(OPr) ₂	O
Me	CN	NH ₂	NC(O)C(O)H	O
Me	CN	NH ₂	NC(O)C(O)Me	O
Me	CN	NH ₂	NC(O)C(O)OMe	O
Me	CN	NH ₂	NC(O)C(O)OEt	O
Me	CN	NH ₂	NC(O)C(O)NH ₂	O
Me	CN	NH ₂	NC(O)C(O)OH	O
Me	CN	NH ₂	NC(NH)NH ₂	O
Me	CN	NH ₂	NC(NOH)NH ₂	O
Me	CN	NH ₂	NC(NH)NHMe	O
Me	CN	NH ₂	NC(NH)NMe ₂	O
Me	CN	NH ₂	NC(NH)OMe	O
Me	CN	NH ₂	NC(NH)OEt	O
Me	CN	NH ₂	NH	O
Me	CN	NHMe	NCOMe	O
Me	CN	NHMe	NCOEt	O
Me	CN	NHMe	NCOPr	O
Me	CN	NHMe	NCHO	O
Me	CN	NHMe	NCOiPr	O
Me	CN	NHMe	NCOtBu	O
Me	CN	NHMe	NCOPh	O
Me	CN	NHMe	NSO ₂ Me	O
Me	CN	NHMe	NSO ₂ Et	O

Me	CN	NHMe	NSO ₂ Pr	O
Me	CN	NHMe	NSO ₂ Ph	O
Me	CN	NHMe	NSO ₂ iPr	O
Me	CN	NHMe	NNO ₂	O
Me	CN	NHMe	NCOOMe	O
Me	CN	NHMe	NCOOEt	O
Me	CN	NHMe	NCOOPr	O
Me	CN	NHMe	NCOOiPr	O
Me	CN	NHMe	NCONHEt	O
Me	CN	NHMe	NCONHPr	O
Me	CN	NHMe	NCONH ₂	O
Me	CN	NHMe	NCONHMe	O
Me	CN	NHMe	NCN	O
Me	CN	NHMe	NCOSMe	O
Me	CN	NHMe	NCOSEt	O
Me	CN	NHMe	NCSOMe	O
Me	CN	NHMe	NCSOEt	O
Me	CN	NHMe	NCSOPr	O
Me	CN	NHMe	NSO ₂ NH ₂	O
Me	CN	NHMe	NSO ₂ NHMe	O
Me	CN	NHMe	NSO ₂ NMe ₂	O
Me	CN	NHMe	NP(O)(OMe) ₂	O
Me	CN	NHMe	NP(O)(OEt) ₂	O
Me	CN	NHMe	NP(O)Me ₂	O
Me	CN	NHMe	NP(O)Et ₂	O
Me	CN	NHMe	NP(O)Me(OMe)	O
Me	CN	NHMe	NP(O)(OPr) ₂	O
Me	CN	NHMe	NC(O)C(O)H	O

Me	CN	NHMe	NC(O)C(O)Me	O
Me	CN	NHMe	NC(O)C(O)OMe	O
Me	CN	NHMe	NC(O)C(O)OEt	O
Me	CN	NHMe	NC(O)C(O)NH ₂	O
Me	CN	NHMe	NC(O)C(O)OH	O
Me	CN	NHMe	NC(NH)NH ₂	O
Me	CN	NHMe	NC(NOH)NH ₂	O
Me	CN	NHMe	NC(NH)NHMe	O
Me	CN	NHMe	NC(NH)NMe ₂	O
Me	CN	NHMe	NC(NH)OMe	O
Me	CN	NHMe	NC(NH)OEt	O
Me	CN	NHEt	NCOMe	O
Me	CN	NHEt	NCOEt	O
Me	CN	NHEt	NCOPr	O
Me	CN	NHEt	NCHO	O
Me	CN	NHEt	NCOiPr	O
Me	CN	NHEt	NCOtBu	O
Me	CN	NHEt	NCOPh	O
Me	CN	NHEt	NSO ₂ Me	O
Me	CN	NHEt	NSO ₂ Et	O
Me	CN	NHEt	NSO ₂ Pr	O
Me	CN	NHEt	NSO ₂ Ph	O
Me	CN	NHEt	NSO ₂ iPr	O
Me	CN	NHEt	NNO ₂	O
Me	CN	NHEt	NCOOMe	O
Me	CN	NHEt	NCOOEt	O
Me	CN	NHEt	NCOOPr	O
Me	CN	NHEt	NCOOiPr	O

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Me	CN	NHEt	NCONHEt	O
Me	CN	NHEt	NCONHPr	O
Me	CN	NHEt	NCONH ₂	O
Me	CN	NHEt	NCONHMe	O
Me	CN	NHEt	NCN	O
Me	CN	NHEt	NCOSMe	O
Me	CN	NHEt	NCOSEt	O
Me	CN	NHEt	NCSOMe	O
Me	CN	NHEt	NCSOEt	O
Me	CN	NHEt	NCSOPr	O
Me	CN	NHEt	NSO ₂ NH ₂	O
Me	CN	NHEt	NSO ₂ NHMe	O
Me	CN	NHEt	NSO ₂ NMe ₂	O
Me	CN	NHEt	NP(O)(OMe) ₂	O
Me	CN	NHEt	NP(O)(OEt) ₂	O
Me	CN	NHEt	NP(O)Me ₂	O
Me	CN	NHEt	NP(O)Et ₂	O
Me	CN	NHEt	NP(O)Me(OMe)	O
Me	CN	NHEt	NP(O)(OPr) ₂	O
Me	CN	NHEt	NC(O)C(O)H	O
Me	CN	NHEt	NC(O)C(O)Me	O
Me	CN	NHEt	NC(O)C(O)OMe	O
Me	CN	NHEt	NC(O)C(O)OEt	O
Me	CN	NHEt	NC(O)C(O)NH ₂	O
Me	CN	NHEt	NC(O)C(O)OH	O
Me	CN	NHEt	NC(NH)NH ₂	O
Me	CN	NHEt	NC(NOH)NH ₂	O
Me	CN	NHEt	NC(NH)NHMe	O

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Me	CN	NHEt	NC(NH)NMe ₂	O
Me	CN	NHEt	NC(NH)OMe	O
Me	CN	NHEt	NC(NH)OEt	O
Et	CN	NH ₂	NCOEt	O
Et	CN	NH ₂	NCOPr	O
Et	CN	NH ₂	NCHO	O
Et	CN	NH ₂	NCOiPr	O
Et	CN	NH ₂	NCOtBu	O
Et	CN	NH ₂	NCOPh	O
Et	CN	NH ₂	NSO ₂ Me	O
Et	CN	NH ₂	NSO ₂ Et	O
Et	CN	NH ₂	NSO ₂ Pr	O
Et	CN	NH ₂	NSO ₂ Ph	O
Et	CN	NH ₂	NSO ₂ iPr	O
Et	CN	NH ₂	NNO ₂	O
Et	CN	NH ₂	NCOOMe	O
Et	CN	NH ₂	NCOOEt	O
Et	CN	NH ₂	NCOOPr	O
Et	CN	NH ₂	NCOOiPr	O
Et	CN	NH ₂	NCONHEt	O
Et	CN	NH ₂	NCONHPr	O
Et	CN	NH ₂	NCONH ₂	O
Et	CN	NH ₂	NCONHMe	O
Et	CN	NH ₂	NCN	O
Et	CN	NH ₂	NCOSMe	O
Et	CN	NH ₂	NCOSEt	O
Et	CN	NH ₂	NCSOMe	O
Et	CN	NH ₂	NCSOEt	O

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Et	CN	NH ₂	NCSOPr	O
Et	CN	NH ₂	NSO ₂ NH ₂	O
Et	CN	NH ₂	NSO ₂ NHMe	O
Et	CN	NH ₂	NSO ₂ NMe ₂	O
Et	CN	NH ₂	NP(O)(OMe) ₂	O
Et	CN	NH ₂	NP(O)(OEt) ₂	O
Et	CN	NH ₂	NP(O)Me ₂	O
Et	CN	NH ₂	NP(O)Et ₂	O
Et	CN	NH ₂	NP(O)Me(OMe)	O
Et	CN	NH ₂	NP(O)(OPr) ₂	O
Et	CN	NH ₂	NC(O)C(O)H	O
Et	CN	NH ₂	NC(O)C(O)Me	O
Et	CN	NH ₂	NC(O)C(O)OMe	O
Et	CN	NH ₂	NC(O)C(O)OEt	O
Et	CN	NH ₂	NC(O)C(O)NH ₂	O
Et	CN	NH ₂	NC(O)C(O)OH	O
Et	CN	NH ₂	NC(NH)NH ₂	O
Et	CN	NH ₂	NC(NOH)NH ₂	O
Et	CN	NH ₂	NC(NH)NHMe	O
Et	CN	NH ₂	NC(NH)NMe ₂	O
Et	CN	NH ₂	NC(NH)OMe	O
Et	CN	NH ₂	NC(NH)OEt	O
Et	CN	NHMe	NH	O
Et	CN	NHMe	NCOMe	O
Et	CN	NHMe	NCOEt	O
Et	CN	NHMe	NCOPr	O
Et	CN	NHMe	NCHO	O
Et	CN	NHMe	NCOiPr	O

Et	CN	NHMe	NCOtBu	O
Et	CN	NHMe	NCOPh	O
Et	CN	NHMe	NSO ₂ Me	O
Et	CN	NHMe	NSO ₂ Et	O
Et	CN	NHMe	NSO ₂ Pr	O
Et	CN	NHMe	NSO ₂ Ph	O
Et	CN	NHMe	NSO ₂ iPr	O
Et	CN	NHMe	NNO ₂	O
Et	CN	NHMe	NCOOMe	O
Et	CN	NHMe	NCOOEt	O
Et	CN	NHMe	NCOOPr	O
Et	CN	NHMe	NCOOiPr	O
Et	CN	NHMe	NCONHEt	O
Et	CN	NHMe	NCONHPr	O
Et	CN	NHMe	NCONH ₂	O
Et	CN	NHMe	NCONHMe	O
Et	CN	NHMe	NCN	O
Et	CN	NHMe	NCOSMe	O
Et	CN	NHMe	NCOSEt	O
Et	CN	NHMe	NCSOMe	O
Et	CN	NHMe	NCSOEt	O
Et	CN	NHMe	NCSOPr	O
Et	CN	NHMe	NSO ₂ NH ₂	O
Et	CN	NHMe	NSO ₂ NHMe	O
Et	CN	NHMe	NSO ₂ NMe ₂	O
Et	CN	NHMe	NP(O)(OMe) ₂	O
Et	CN	NHMe	NP(O)(OEt) ₂	O
Et	CN	NHMe	NP(O)Me ₂	O

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Et	CN	NHMe	NP(O)Et ₂	O
Et	CN	NHMe	NP(O)Me(OMe)	O
Et	CN	NHMe	NP(O)(OPr) ₂	O
Et	CN	NHMe	NC(O)C(O)H	O
Et	CN	NHMe	NC(O)C(O)Me	O
Et	CN	NHMe	NC(O)C(O)OMe	O
Et	CN	NHMe	NC(O)C(O)OEt	O
Et	CN	NHMe	NC(O)C(O)NH ₂	O
Et	CN	NHMe	NC(O)C(O)OH	O
Et	CN	NHMe	NC(NH)NH ₂	O
Et	CN	NHMe	NC(NOH)NH ₂	O
Et	CN	NHMe	NC(NH)NHMe	O
Et	CN	NHMe	NC(NH)NMe ₂	O
Et	CN	NHMe	NC(NH)OMe	O
Et	CN	NHMe	NC(NH)OEt	O
Et	CN	NHEt	NCOMe	O
Et	CN	NHEt	NCOEt	O
Et	CN	NHEt	NCOPr	O
Et	CN	NHEt	NCHO	O
Et	CN	NHEt	NCOiPr	O
Et	CN	NHEt	NCOtBu	O
Et	CN	NHEt	NCOPh	O
Et	CN	NHEt	NSO ₂ Me	O
Et	CN	NHEt	NSO ₂ Et	O
Et	CN	NHEt	NSO ₂ Pr	O
Et	CN	NHEt	NSO ₂ Ph	O
Et	CN	NHEt	NSO ₂ iPr	O
Et	CN	NHEt	NNO ₂	O

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Et	CN	NHEt	NCOOMe	O
Et	CN	NHEt	NCOOEt	O
Et	CN	NHEt	NCOOPr	O
Et	CN	NHEt	NCOOiPr	O
Et	CN	NHEt	NCONHEt	O
Et	CN	NHEt	NCONHPr	O
Et	CN	NHEt	NCONH ₂	O
Et	CN	NHEt	NCONHMe	O
Et	CN	NHEt	NCN	O
Et	CN	NHEt	NCOSMe	O
Et	CN	NHEt	NCOSEt	O
Et	CN	NHEt	NCSOMe	O
Et	CN	NHEt	NCSOEt	O
Et	CN	NHEt	NCSOPr	O
Et	CN	NHEt	NSO ₂ NH ₂	O
Et	CN	NHEt	NSO ₂ NHMe	O
Et	CN	NHEt	NSO ₂ NMe ₂	O
Et	CN	NHEt	NP(O)(OMe) ₂	O
Et	CN	NHEt	NP(O)(OEt) ₂	O
Et	CN	NHEt	NP(O)Me ₂	O
Et	CN	NHEt	NP(O)Et ₂	O
Et	CN	NHEt	NP(O)Me(OMe)	O
Et	CN	NHEt	NP(O)(OPr) ₂	O
Et	CN	NHEt	NC(O)C(O)H	O
Et	CN	NHEt	NC(O)C(O)Me	O
Et	CN	NHEt	NC(O)C(O)OMe	O
Et	CN	NHEt	NC(O)C(O)OEt	O
Et	CN	NHEt	NC(O)C(O)NH ₂	O

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Et	CN	NHEt	NC(O)C(O)OH	O
Et	CN	NHEt	NC(NH)NH ₂	O
Et	CN	NHEt	NC(NO ₂)NH ₂	O
Et	CN	NHEt	NC(NH)NHMe	O
Et	CN	NHEt	NC(NH)NMe ₂	O
Et	CN	NHEt	NC(NH)OMe	O
Et	CN	NHEt	NC(NH)OEt	O
Me	CN	NHCOMe	NCOMe	..
Me	CN	NHCOMe	NCOEt	..
Me	CN	NHCOMe	NCOPr	..
Me	CN	NHCOMe	NCHO	..
Me	CN	NHCOMe	NCOiPr	..
Me	CN	NHCOMe	NCOtBu	..
Me	CN	NHCOMe	NCOPh	..
Me	CN	NHCOMe	NSO ₂ Me	..
Me	CN	NHCOMe	NSO ₂ Et	..
Me	CN	NHCOMe	NSO ₂ Pr	..
Me	CN	NHCOMe	NSO ₂ Ph	..
Me	CN	NHCOMe	NSO ₂ iPr	..
Me	CN	NHCOMe	NNO ₂	..
Me	CN	NHCOMe	NCOOMe	..
Me	CN	NHCOMe	NCOOEt	..
Me	CN	NHCOMe	NCOOPr	..
Me	CN	NHCOMe	NCOOiPr	..
Me	CN	NHCOMe	NCONHEt	..
Me	CN	NHCOMe	NCONHPr	..
Me	CN	NHCOMe	NCONH ₂	..
Me	CN	NHCOMe	NCONHMe	..

Me	CN	NHCOMe	NCN	..
Me	CN	NHCOMe	NCOSMe	..
Me	CN	NHCOMe	NCOSEt	..
Me	CN	NHCOMe	NCSOMe	..
Me	CN	NHCOMe	NCSOEt	..
Me	CN	NHCOMe	NCSOPr	..
Me	CN	NHCOMe	NSO ₂ NH ₂	..
Me	CN	NHCOMe	NSO ₂ NHMe	..
Me	CN	NHCOMe	NSO ₂ NMe ₂	..
Me	CN	NHCOMe	NP(O)(OMe) ₂	..
Me	CN	NHCOMe	NP(O)(OEt) ₂	..
Me	CN	NHCOMe	NP(O)Me ₂	..
Me	CN	NHCOMe	NP(O)Et ₂	..
Me	CN	NHCOMe	NP(O)Me(OMe)	..
Me	CN	NHCOMe	NP(O)(OPr) ₂	..
Me	CN	NHCOMe	NC(O)C(O)H	..
Me	CN	NHCOMe	NC(O)C(O)Me	..
Me	CN	NHCOMe	NC(O)C(O)OMe	..
Me	CN	NHCOMe	NC(O)C(O)OEt	..
Me	CN	NHCOMe	NC(O)C(O)NH ₂	..
Me	CN	NHCOMe	NC(O)C(O)OH	..
Me	CN	NHCOMe	NC(NH)NH ₂	..
Me	CN	NHCOMe	NC(NOH)NH ₂	..
Me	CN	NHCOMe	NC(NH)NHMe	..
Me	CN	NHCOMe	NC(NH)NMe ₂	..
Me	CN	NHCOMe	NC(NH)OMe	..
Me	CN	NHCOMe	NC(NH)OEt	..
Et	CN	NHCOMe	NCOMe	..

Et	CN	NHCOMe	NCOEt	..
Et	CN	NHCOMe	NCOPr	..
Et	CN	NHCOMe	NCHO	..
Et	CN	NHCOMe	NCOiPr	..
Et	CN	NHCOMe	NCOtBu	..
Et	CN	NHCOMe	NCOPh	..
Et	CN	NHCOMe	NSO ₂ Me	..
Et	CN	NHCOMe	NSO ₂ Et	..
Et	CN	NHCOMe	NSO ₂ Pr	..
Et	CN	NHCOMe	NSO ₂ Ph	..
Et	CN	NHCOMe	NSO ₂ iPr	..
Et	CN	NHCOMe	NNO ₂	..
Et	CN	NHCOMe	NCOOMe	..
Et	CN	NHCOMe	NCOOEt	..
Et	CN	NHCOMe	NCOOPr	..
Et	CN	NHCOMe	NCOOiPr	..
Et	CN	NHCOMe	NCONHEt	..
Et	CN	NHCOMe	NCONHPr	..
Et	CN	NHCOMe	NCONH ₂	..
Et	CN	NHCOMe	NCONHMe	..
Et	CN	NHCOMe	NCN	..
Et	CN	NHCOMe	NCOSMe	..
Et	CN	NHCOMe	NCOSEt	..
Et	CN	NHCOMe	NCSOMe	..
Et	CN	NHCOMe	NCSOEt	..
Et	CN	NHCOMe	NCSOPr	..
Et	CN	NHCOMe	NSO ₂ NH ₂	..
Et	CN	NHCOMe	NSO ₂ NHMe	..

Et	CN	NHCOMe	NSO ₂ NMe ₂	..
Et	CN	NHCOMe	NP(O)(OMe) ₂	..
Et	CN	NHCOMe	NP(O)(OEt) ₂	..
Et	CN	NHCOMe	NP(O)Me ₂	..
Et	CN	NHCOMe	NP(O)Et ₂	..
Et	CN	NHCOMe	NP(O)Me(OMe)	..
Et	CN	NHCOMe	NP(O)(OPr) ₂	..
Et	CN	NHCOMe	NC(O)C(O)H	..
Et	CN	NHCOMe	NC(O)C(O)Me	..
Et	CN	NHCOMe	NC(O)C(O)OMe	..
Et	CN	NHCOMe	NC(O)C(O)OEt	..
Et	CN	NHCOMe	NC(O)C(O)NH ₂	..
Et	CN	NHCOMe	NC(O)C(O)OH	..
Et	CN	NHCOMe	NC(NH)NH ₂	..
Et	CN	NHCOMe	NC(NOH)NH ₂	..
Et	CN	NHCOMe	NC(NH)NHMe	..
Et	CN	NHCOMe	NC(NH)NMe ₂	..
Et	CN	NHCOMe	NC(NH)OMe	..
Et	CN	NHCOMe	NC(NH)OEt	..
Me	CN	NHCOOMe	NCOMe	..
Me	CN	NHCOOMe	NCOEt	..
Me	CN	NHCOOMe	NCOPr	..
Me	CN	NHCOOMe	NCHO	..
Me	CN	NHCOOMe	NCOiPr	..
Me	CN	NHCOOMe	NCOtBu	..
Me	CN	NHCOOMe	NCOPh	..
Me	CN	NHCOOMe	NSO ₂ Me	..
Me	CN	NHCOOMe	NSO ₂ Et	..

Me	CN	NHCOOMe	NSO ₂ Pr	..
Me	CN	NHCOOMe	NSO ₂ Ph	..
Me	CN	NHCOOMe	NSO ₂ iPr	..
Me	CN	NHCOOMe	NNO ₂	..
Me	CN	NHCOOMe	NCOOMe	..
Me	CN	NHCOOMe	NCOOEt	..
Me	CN	NHCOOMe	NCOOPr	..
Me	CN	NHCOOMe	NCOOiPr	..
Me	CN	NHCOOMe	NCONHEt	..
Me	CN	NHCOOMe	NCONHPr	..
Me	CN	NHCOOMe	NCONH ₂	..
Me	CN	NHCOOMe	NCONHMe	..
Me	CN	NHCOOMe	NCN	..
Me	CN	NHCOOMe	NCOSMe	..
Me	CN	NHCOOMe	NCOSEt	..
Me	CN	NHCOOMe	NCSOMe	..
Me	CN	NHCOOMe	NCSOEt	..
Me	CN	NHCOOMe	NCSOPr	..
Me	CN	NHCOOMe	NSO ₂ NH ₂	..
Me	CN	NHCOOMe	NSO ₂ NHMe	..
Me	CN	NHCOOMe	NSO ₂ NMe ₂	..
Me	CN	NHCOOMe	NP(O)(OMe) ₂	..
Me	CN	NHCOOMe	NP(O)(OEt) ₂	..
Me	CN	NHCOOMe	NP(O)Me ₂	..
Me	CN	NHCOOMe	NP(O)Et ₂	..
Me	CN	NHCOOMe	NP(O)Me(OMe)	..
Me	CN	NHCOOMe	NP(O)(OPr) ₂	..
Me	CN	NHCOOMe	NC(O)C(O)H	..

Me	CN	NHCOOMe	NC(O)C(O)Me	..
Me	CN	NHCOOMe	NC(O)C(O)OMe	..
Me	CN	NHCOOMe	NC(O)C(O)OEt	..
Me	CN	NHCOOMe	NC(O)C(O)NH ₂	..
Me	CN	NHCOOMe	NC(O)C(O)OH	..
Me	CN	NHCOOMe	NC(NH)NH ₂	..
Me	CN	NHCOOMe	NC(NOH)NH ₂	..
Me	CN	NHCOOMe	NC(NH)NHMe	..
Me	CN	NHCOOMe	NC(NH)NMe ₂	..
Me	CN	NHCOOMe	NC(NH)OMe	..
Me	CN	NHCOOMe	NC(NH)OEt	..
Et	CN	NHCOOMe	NCOMe	..
Et	CN	NHCOOMe	NCOEt	..
Et	CN	NHCOOMe	NCOPr	..
Et	CN	NHCOOMe	NCHO	..
Et	CN	NHCOOMe	NCOiPr	..
Et	CN	NHCOOMe	NCOtBu	..
Et	CN	NHCOOMe	NCOPh	..
Et	CN	NHCOOMe	NSO ₂ Me	..
Et	CN	NHCOOMe	NSO ₂ Et	..
Et	CN	NHCOOMe	NSO ₂ Pr	..
Et	CN	NHCOOMe	NSO ₂ Ph	..
Et	CN	NHCOOMe	NSO ₂ iPr	..
Et	CN	NHCOOMe	NNO ₂	..
Et	CN	NHCOOMe	NCOOMe	..
Et	CN	NHCOOMe	NCOOEt	..
Et	CN	NHCOOMe	NCOOPr	..
Et	CN	NHCOOMe	NCOOiPr	..

Et	CN	NHCOOMe	NCONHEt	..
Et	CN	NHCOOMe	NCONHPr	..
Et	CN	NHCOOMe	NCONH ₂	..
Et	CN	NHCOOMe	NCONHMe	..
Et	CN	NHCOOMe	NCN	..
Et	CN	NHCOOMe	NCOSMe	..
Et	CN	NHCOOMe	NCOSEt	..
Et	CN	NHCOOMe	NCSOMe	..
Et	CN	NHCOOMe	NCSOEt	..
Et	CN	NHCOOMe	NCSOPr	..
Et	CN	NHCOOMe	NSO ₂ NH ₂	..
Et	CN	NHCOOMe	NSO ₂ NHMe	..
Et	CN	NHCOOMe	NSO ₂ NMe ₂	..
Et	CN	NHCOOMe	NP(O)(OMe) ₂	..
Et	CN	NHCOOMe	NP(O)(OEt) ₂	..
Et	CN	NHCOOMe	NP(O)Me ₂	..
Et	CN	NHCOOMe	NP(O)Et ₂	..
Et	CN	NHCOOMe	NP(O)Me(OMe)	..
Et	CN	NHCOOMe	NP(O)(OPr) ₂	..
Et	CN	NHCOOMe	NC(O)C(O)H	..
Et	CN	NHCOOMe	NC(O)C(O)Me	..
Et	CN	NHCOOMe	NC(O)C(O)OMe	..
Et	CN	NHCOOMe	NC(O)C(O)OEt	..
Et	CN	NHCOOMe	NC(O)C(O)NH ₂	..
Et	CN	NHCOOMe	NC(O)C(O)OH	..
Et	CN	NHCOOMe	NC(NH)NH ₂	..
Et	CN	NHCOOMe	NC(NOH)NH ₂	..
Et	CN	NHCOOMe	NC(NH)NHMe	..

Et	CN	NHCOOMe	NC(NH)NMe ₂	..
Et	CN	NHCOOMe	NC(NH)OMe	..
Et	CN	NHCOOMe	NC(NH)OEt	..
Me	CN	NHCOOEt	NCOMe	..
Me	CN	NHCOOEt	NCOEt	..
Me	CN	NHCOOEt	NCOPr	..
Me	CN	NHCOOEt	NCHO	..
Me	CN	NHCOOEt	NCOiPr	..
Me	CN	NHCOOEt	NCOtBu	..
Me	CN	NHCOOEt	NCOPh	..
Me	CN	NHCOOEt	NSO ₂ Me	..
Me	CN	NHCOOEt	NSO ₂ Et	..
Me	CN	NHCOOEt	NSO ₂ Pr	..
Me	CN	NHCOOEt	NSO ₂ Ph	..
Me	CN	NHCOOEt	NSO ₂ iPr	..
Me	CN	NHCOOEt	NNO ₂	..
Me	CN	NHCOOEt	NCOOMe	..
Me	CN	NHCOOEt	NCOOEt	..
Me	CN	NHCOOEt	NCOOPr	..
Me	CN	NHCOOEt	NCOOiPr	..
Me	CN	NHCOOEt	NCONHEt	..
Me	CN	NHCOOEt	NCONHPr	..
Me	CN	NHCOOEt	NCONH ₂	..
Me	CN	NHCOOEt	NCONHMe	..
Me	CN	NHCOOEt	NCN	..
Me	CN	NHCOOEt	NCOSMe	..
Me	CN	NHCOOEt	NCOSEt	..
Me	CN	NHCOOEt	NCSOMe	..

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Me	CN	NHCOOEt	NCSOEt	..
Me	CN	NHCOOEt	NCSOPr	..
Me	CN	NHCOOEt	NSO ₂ NH ₂	..
Me	CN	NHCOOEt	NSO ₂ NHMe	..
Me	CN	NHCOOEt	NSO ₂ NMe ₂	..
Me	CN	NHCOOEt	NP(O)(OMe) ₂	..
Me	CN	NHCOOEt	NP(O)(OEt) ₂	..
Me	CN	NHCOOEt	NP(O)Me ₂	..
Me	CN	NHCOOEt	NP(O)Et ₂	..
Me	CN	NHCOOEt	NP(O)Me(OMe)	..
Me	CN	NHCOOEt	NP(O)(OPr) ₂	..
Me	CN	NHCOOEt	NC(O)C(O)H	..
Me	CN	NHCOOEt	NC(O)C(O)Me	..
Me	CN	NHCOOEt	NC(O)C(O)OMe	..
Me	CN	NHCOOEt	NC(O)C(O)OEt	..
Me	CN	NHCOOEt	NC(O)C(O)NH ₂	..
Me	CN	NHCOOEt	NC(O)C(O)OH	..
Me	CN	NHCOOEt	NC(NH)NH ₂	..
Me	CN	NHCOOEt	NC(NOH)NH ₂	..
Me	CN	NHCOOEt	NC(NH)NHMe	..
Me	CN	NHCOOEt	NC(NH)NMe ₂	..
Me	CN	NHCOOEt	NC(NH)OMe	..
Me	CN	NHCOOEt	NC(NH)OEt	..
Et	CN	NHCOOEt	NCOMe	..
Et	CN	NHCOOEt	NCOEt	..
Et	CN	NHCOOEt	NCOPr	..
Et	CN	NHCOOEt	NCHO	..
Et	CN	NHCOOEt	NCOiPr	..

Et	CN	NHCOOEt	NCOtBu	..
Et	CN	NHCOOEt	NCOPh	..
Et	CN	NHCOOEt	NSO ₂ Me	..
Et	CN	NHCOOEt	NSO ₂ Et	..
Et	CN	NHCOOEt	NSO ₂ Pr	..
Et	CN	NHCOOEt	NSO ₂ Ph	..
Et	CN	NHCOOEt	NSO ₂ iPr	..
Et	CN	NHCOOEt	NNO ₂	..
Et	CN	NHCOOEt	NCOOMe	..
Et	CN	NHCOOEt	NCOOEt	..
Et	CN	NHCOOEt	NCOOPr	..
Et	CN	NHCOOEt	NCOOiPr	..
Et	CN	NHCOOEt	NCONHEt	..
Et	CN	NHCOOEt	NCONHPr	..
Et	CN	NHCOOEt	NCONH ₂	..
Et	CN	NHCOOEt	NCONHMe	..
Et	CN	NHCOOEt	NCN	..
Et	CN	NHCOOEt	NCOSMe	..
Et	CN	NHCOOEt	NCOSet	..
Et	CN	NHCOOEt	NCSOMe	..
Et	CN	NHCOOEt	NCSOEt	..
Et	CN	NHCOOEt	NCSOPr	..
Et	CN	NHCOOEt	NSO ₂ NH ₂	..
Et	CN	NHCOOEt	NSO ₂ NHMe	..
Et	CN	NHCOOEt	NSO ₂ NMe ₂	..
Et	CN	NHCOOEt	NP(O)(OMe) ₂	..
Et	CN	NHCOOEt	NP(O)(OEt) ₂	..
Et	CN	NHCOOEt	NP(O)Me ₂	..

Et	CN	NHCOOEt	NP(O)Et ₂	..
Et	CN	NHCOOEt	NP(O)Me(OMe)	..
Et	CN	NHCOOEt	NP(O)(OPr) ₂	..
Et	CN	NHCOOEt	NC(O)C(O)H	..
Et	CN	NHCOOEt	NC(O)C(O)Me	..
Et	CN	NHCOOEt	NC(O)C(O)OMe	..
Et	CN	NHCOOEt	NC(O)C(O)OEt	..
Et	CN	NHCOOEt	NC(O)C(O)NH ₂	..
Et	CN	NHCOOEt	NC(O)C(O)OH	..
Et	CN	NHCOOEt	NC(NH)NH ₂	..
Et	CN	NHCOOEt	NC(NOH)NH ₂	..
Et	CN	NHCOOEt	NC(NH)NHMe	..
Et	CN	NHCOOEt	NC(NH)NMe ₂	..
Et	CN	NHCOOEt	NC(NH)OMe	..
Et	CN	NHCOOEt	NC(NH)OEt	..
Me	CN	NHCH ₂ COOMe	NCOMe	..
Me	CN	NHCH ₂ COOMe	NCOEt	..
Me	CN	NHCH ₂ COOMe	NCOPr	..
Me	CN	NHCH ₂ COOMe	NCHO	..
Me	CN	NHCH ₂ COOMe	NCOiPr	..
Me	CN	NHCH ₂ COOMe	NCOtBu	..
Me	CN	NHCH ₂ COOMe	NCOPh	..
Me	CN	NHCH ₂ COOMe	NSO ₂ Me	..
Me	CN	NHCH ₂ COOMe	NSO ₂ Et	..
Me	CN	NHCH ₂ COOMe	NSO ₂ Pr	..
Me	CN	NHCH ₂ COOMe	NSO ₂ Ph	..
Me	CN	NHCH ₂ COOMe	NSO ₂ iPr	..
Me	CN	NHCH ₂ COOMe	NNO ₂	..

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Me	CN	NHCH ₂ COOMe	NCOOMe	..
Me	CN	NHCH ₂ COOMe	NCOOEt	..
Me	CN	NHCH ₂ COOMe	NCOOPr	..
Me	CN	NHCH ₂ COOMe	NCOOiPr	..
Me	CN	NHCH ₂ COOMe	NCONHEt	..
Me	CN	NHCH ₂ COOMe	NCONHPr	..
Me	CN	NHCH ₂ COOMe	NCONH ₂	..
Me	CN	NHCH ₂ COOMe	NCONHMe	..
Me	CN	NHCH ₂ COOMe	NCN	..
Me	CN	NHCH ₂ COOMe	NCOSMe	..
Me	CN	NHCH ₂ COOMe	NCOSEt	..
Me	CN	NHCH ₂ COOMe	NCSOMe	..
Me	CN	NHCH ₂ COOMe	NCSOEt	..
Me	CN	NHCH ₂ COOMe	NCSOPr	..
Me	CN	NHCH ₂ COOMe	NSO ₂ NH ₂	..
Me	CN	NHCH ₂ COOMe	NSO ₂ NHMe	..
Me	CN	NHCH ₂ COOMe	NSO ₂ NMe ₂	..
Me	CN	NHCH ₂ COOMe	NP(O)(OMe) ₂	..
Me	CN	NHCH ₂ COOMe	NP(O)(OEt) ₂	..
Me	CN	NHCH ₂ COOMe	NP(O)Me ₂	..
Me	CN	NHCH ₂ COOMe	NP(O)Et ₂	..
Me	CN	NHCH ₂ COOMe	NP(O)Me(OMe)	..
Me	CN	NHCH ₂ COOMe	NP(O)(OPr) ₂	..
Me	CN	NHCH ₂ COOMe	NC(O)C(O)H	..
Me	CN	NHCH ₂ COOMe	NC(O)C(O)Me	..
Me	CN	NHCH ₂ COOMe	NC(O)C(O)OMe	..
Me	CN	NHCH ₂ COOMe	NC(O)C(O)OEt	..
Me	CN	NHCH ₂ COOMe	NC(O)C(O)NH ₂	..

Me	CN	NHCH ₂ COOMe	NC(O)C(O)OH	..
Me	CN	NHCH ₂ COOMe	NC(NH)NH ₂	..
Me	CN	NHCH ₂ COOMe	NC(NOH)NH ₂	..
Me	CN	NHCH ₂ COOMe	NC(NH)NHMe	..
Me	CN	NHCH ₂ COOMe	NC(NH)NMe ₂	..
Me	CN	NHCH ₂ COOMe	NC(NH)OMe	..
Me	CN	NHCH ₂ COOMe	NC(NH)OEt	..
Et	CN	NHCH ₂ COOMe	NCOMe	..
Et	CN	NHCH ₂ COOMe	NCOEt	..
Et	CN	NHCH ₂ COOMe	NCOPr	..
Et	CN	NHCH ₂ COOMe	NCHO	..
Et	CN	NHCH ₂ COOMe	NCOiPr	..
Et	CN	NHCH ₂ COOMe	NCOtBu	..
Et	CN	NHCH ₂ COOMe	NCOPh	..
Et	CN	NHCH ₂ COOMe	NSO ₂ Me	..
Et	CN	NHCH ₂ COOMe	NSO ₂ Et	..
Et	CN	NHCH ₂ COOMe	NSO ₂ Pr	..
Et	CN	NHCH ₂ COOMe	NSO ₂ Ph	..
Et	CN	NHCH ₂ COOMe	NSO ₂ iPr	..
Et	CN	NHCH ₂ COOMe	NNO ₂	..
Et	CN	NHCH ₂ COOMe	NCOOMe	..
Et	CN	NHCH ₂ COOMe	NCOOEt	..
Et	CN	NHCH ₂ COOMe	NCOOPr	..
Et	CN	NHCH ₂ COOMe	NCOOiPr	..
Et	CN	NHCH ₂ COOMe	NCONHEt	..
Et	CN	NHCH ₂ COOMe	NCONHPr	..
Et	CN	NHCH ₂ COOMe	NCONH ₂	..
Et	CN	NHCH ₂ COOMe	NCONHMe	..

Et	CN	NHCH ₂ COOMe	NCN	..
Et	CN	NHCH ₂ COOMe	NCOSMe	..
Et	CN	NHCH ₂ COOMe	NCOSEt	..
Et	CN	NHCH ₂ COOMe	NCSOMe	..
Et	CN	NHCH ₂ COOMe	NCSOEt	..
Et	CN	NHCH ₂ COOMe	NCSOPr	..
Et	CN	NHCH ₂ COOMe	NSO ₂ NH ₂	..
Et	CN	NHCH ₂ COOMe	NSO ₂ NHMe	..
Et	CN	NHCH ₂ COOMe	NSO ₂ NMe ₂	..
Et	CN	NHCH ₂ COOMe	NP(O)(OMe) ₂	..
Et	CN	NHCH ₂ COOMe	NP(O)(OEt) ₂	..
Et	CN	NHCH ₂ COOMe	NP(O)Me ₂	..
Et	CN	NHCH ₂ COOMe	NP(O)Et ₂	..
Et	CN	NHCH ₂ COOMe	NP(O)Me(OMe)	..
Et	CN	NHCH ₂ COOMe	NP(O)(OPr) ₂	..
Et	CN	NHCH ₂ COOMe	NC(O)C(O)H	..
Et	CN	NHCH ₂ COOMe	NC(O)C(O)Me	..
Et	CN	NHCH ₂ COOMe	NC(O)C(O)OMe	..
Et	CN	NHCH ₂ COOMe	NC(O)C(O)OEt	..
Et	CN	NHCH ₂ COOMe	NC(O)C(O)NH ₂	..
Et	CN	NHCH ₂ COOMe	NC(O)C(O)OH	..
Et	CN	NHCH ₂ COOMe	NC(NH)NH ₂	..
Et	CN	NHCH ₂ COOMe	NC(NOH)NH ₂	..
Et	CN	NHCH ₂ COOMe	NC(NH)NHMe	..
Et	CN	NHCH ₂ COOMe	NC(NH)NMe ₂	..
Et	CN	NHCH ₂ COOMe	NC(NH)OMe	..
Et	CN	NHCH ₂ COOMe	NC(NH)OEt	..
Me	CN	NHCH ₂ CN	NCOMe	..

Me	CN	NHCH ₂ CN	NCOEt	..
Me	CN	NHCH ₂ CN	NCOPr	..
Me	CN	NHCH ₂ CN	NCHO	..
Me	CN	NHCH ₂ CN	NCOiPr	..
Me	CN	NHCH ₂ CN	NCOtBu	..
Me	CN	NHCH ₂ CN	NCOPh	..
Me	CN	NHCH ₂ CN	NSO ₂ Me	..
Me	CN	NHCH ₂ CN	NSO ₂ Et	..
Me	CN	NHCH ₂ CN	NSO ₂ Pr	..
Me	CN	NHCH ₂ CN	NSO ₂ Ph	..
Me	CN	NHCH ₂ CN	NSO ₂ iPr	..
Me	CN	NHCH ₂ CN	NNO ₂	..
Me	CN	NHCH ₂ CN	NCOOMe	..
Me	CN	NHCH ₂ CN	NCOOEt	..
Me	CN	NHCH ₂ CN	NCOOPr	..
Me	CN	NHCH ₂ CN	NCOOiPr	..
Me	CN	NHCH ₂ CN	NCONHEt	..
Me	CN	NHCH ₂ CN	NCONHPr	..
Me	CN	NHCH ₂ CN	NCONH ₂	..
Me	CN	NHCH ₂ CN	NCONHMe	..
Me	CN	NHCH ₂ CN	NCN	..
Me	CN	NHCH ₂ CN	NCOSMe	..
Me	CN	NHCH ₂ CN	NCOSEt	..
Me	CN	NHCH ₂ CN	NCSOMe	..
Me	CN	NHCH ₂ CN	NCSOEt	..
Me	CN	NHCH ₂ CN	NCSOPr	..
Me	CN	NHCH ₂ CN	NSO ₂ NH ₂	..
Me	CN	NHCH ₂ CN	NSO ₂ NHMe	..

Me	CN	NHCH ₂ CN	NSO ₂ NMe ₂
Me	CN	NHCH ₂ CN	NP(O)(OMe) ₂
Me	CN	NHCH ₂ CN	NP(O)(OEt) ₂
Me	CN	NHCH ₂ CN	NP(O)Me ₂
Me	CN	NHCH ₂ CN	NP(O)Et ₂
Me	CN	NHCH ₂ CN	NP(O)Me(OMe)
Me	CN	NHCH ₂ CN	NP(O)(OPr) ₂
Me	CN	NHCH ₂ CN	NC(O)C(O)H
Me	CN	NHCH ₂ CN	NC(O)C(O)Me
Me	CN	NHCH ₂ CN	NC(O)C(O)OMe
Me	CN	NHCH ₂ CN	NC(O)C(O)OEt
Me	CN	NHCH ₂ CN	NC(O)C(O)NH ₂
Me	CN	NHCH ₂ CN	NC(O)C(O)OH
Me	CN	NHCH ₂ CN	NC(NH)NH ₂
Me	CN	NHCH ₂ CN	NC(NO ₂)NH ₂
Me	CN	NHCH ₂ CN	NC(NH)NHMe
Me	CN	NHCH ₂ CN	NC(NH)NMe ₂
Me	CN	NHCH ₂ CN	NC(NH)OMe
Me	CN	NHCH ₂ CN	NC(NH)OEt
Et	CN	NHCH ₂ CN	NCOMe
Et	CN	NHCH ₂ CN	NCOEt
Et	CN	NHCH ₂ CN	NCOPr
Et	CN	NHCH ₂ CN	NCHO
Et	CN	NHCH ₂ CN	NCOiPr
Et	CN	NHCH ₂ CN	NCOtBu
Et	CN	NHCH ₂ CN	NCOPh
Et	CN	NHCH ₂ CN	NSO ₂ Me
Et	CN	NHCH ₂ CN	NSO ₂ Et

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Et	CN	NHCH ₂ CN	NSO ₂ Pr	..
Et	CN	NHCH ₂ CN	NSO ₂ Ph	..
Et	CN	NHCH ₂ CN	NSO ₂ iPr	..
Et	CN	NHCH ₂ CN	NNO ₂	..
Et	CN	NHCH ₂ CN	NCOOMe	..
Et	CN	NHCH ₂ CN	NCOOEt	..
Et	CN	NHCH ₂ CN	NCOOPr	..
Et	CN	NHCH ₂ CN	NCOOiPr	..
Et	CN	NHCH ₂ CN	NCONHEt	..
Et	CN	NHCH ₂ CN	NCONHPr	..
Et	CN	NHCH ₂ CN	NCONH ₂	..
Et	CN	NHCH ₂ CN	NCONHMe	..
Et	CN	NHCH ₂ CN	NCN	..
Et	CN	NHCH ₂ CN	NCOSMe	..
Et	CN	NHCH ₂ CN	NCOSEt	..
Et	CN	NHCH ₂ CN	NCSOMe	..
Et	CN	NHCH ₂ CN	NCSOEt	..
Et	CN	NHCH ₂ CN	NCSOPr	..
Et	CN	NHCH ₂ CN	NSO ₂ NH ₂	..
Et	CN	NHCH ₂ CN	NSO ₂ NHMe	..
Et	CN	NHCH ₂ CN	NSO ₂ NMe ₂	..
Et	CN	NHCH ₂ CN	NP(O)(OMe) ₂	..
Et	CN	NHCH ₂ CN	NP(O)(OEt) ₂	..
Et	CN	NHCH ₂ CN	NP(O)Me ₂	..
Et	CN	NHCH ₂ CN	NP(O)Et ₂	..
Et	CN	NHCH ₂ CN	NP(O)Me(OMe)	..
Et	CN	NHCH ₂ CN	NP(O)(OPr) ₂	..
Et	CN	NHCH ₂ CN	NC(O)C(O)H	..

Et	CN	NHCH ₂ CN	NC(O)C(O)Me	..
Et	CN	NHCH ₂ CN	NC(O)C(O)OMe	..
Et	CN	NHCH ₂ CN	NC(O)C(O)OEt	..
Et	CN	NHCH ₂ CN	NC(O)C(O)NH ₂	..
Et	CN	NHCH ₂ CN	NC(O)C(O)OH	..
Et	CN	NHCH ₂ CN	NC(NH)NH ₂	..
Et	CN	NHCH ₂ CN	NC(NOH)NH ₂	..
Et	CN	NHCH ₂ CN	NC(NH)NHMe	..
Et	CN	NHCH ₂ CN	NC(NH)NMe ₂	..
Et	CN	NHCH ₂ CN	NC(NH)OMe	..
Et	CN	NHCH ₂ CN	NC(NH)OEt	..
Me	CN	NHCH ₂ CONH ₂	NCOMe	..
Me	CN	NHCH ₂ CONH ₂	NCOEt	..
Me	CN	NHCH ₂ CONH ₂	NCOPr	..
Me	CN	NHCH ₂ CONH ₂	NCHO	..
Me	CN	NHCH ₂ CONH ₂	NCOiPr	..
Me	CN	NHCH ₂ CONH ₂	NCOtBu	..
Me	CN	NHCH ₂ CONH ₂	NCOPh	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ Me	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ Et	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ Pr	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ Ph	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ iPr	..
Me	CN	NHCH ₂ CONH ₂	NNO ₂	..
Me	CN	NHCH ₂ CONH ₂	NCOOMe	..
Me	CN	NHCH ₂ CONH ₂	NCOOEt	..
Me	CN	NHCH ₂ CONH ₂	NCOOPr	..
Me	CN	NHCH ₂ CONH ₂	NCOOiPr	..

Me	CN	NHCH ₂ CONH ₂	NCONHEt	..
Me	CN	NHCH ₂ CONH ₂	NCONHPr	..
Me	CN	NHCH ₂ CONH ₂	NCONH ₂	..
Me	CN	NHCH ₂ CONH ₂	NCONHMe	..
Me	CN	NHCH ₂ CONH ₂	NCN	..
Me	CN	NHCH ₂ CONH ₂	NCOSMe	..
Me	CN	NHCH ₂ CONH ₂	NCOSMe	..
Me	CN	NHCH ₂ CONH ₂	NCSOMe	..
Me	CN	NHCH ₂ CONH ₂	NCSOEt	..
Me	CN	NHCH ₂ CONH ₂	NCSOPr	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ NH ₂	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ NHMe	..
Me	CN	NHCH ₂ CONH ₂	NSO ₂ NMe ₂	..
Me	CN	NHCH ₂ CONH ₂	NP(O)(OMe) ₂	..
Me	CN	NHCH ₂ CONH ₂	NP(O)(OEt) ₂	..
Me	CN	NHCH ₂ CONH ₂	NP(O)Me ₂	..
Me	CN	NHCH ₂ CONH ₂	NP(O)Et ₂	..
Me	CN	NHCH ₂ CONH ₂	NP(O)Me(OMe)	..
Me	CN	NHCH ₂ CONH ₂	NP(O)(OPr) ₂	..
Me	CN	NHCH ₂ CONH ₂	NC(O)C(O)H	..
Me	CN	NHCH ₂ CONH ₂	NC(O)C(O)Me	..
Me	CN	NHCH ₂ CONH ₂	NC(O)C(O)OMe	..
Me	CN	NHCH ₂ CONH ₂	NC(O)C(O)OEt	..
Me	CN	NHCH ₂ CONH ₂	NC(O)C(O)NH ₂	..
Me	CN	NHCH ₂ CONH ₂	NC(O)C(O)OH	..
Me	CN	NHCH ₂ CONH ₂	NC(NH)NH ₂	..
Me	CN	NHCH ₂ CONH ₂	NC(NOH)NH ₂	..
Me	CN	NHCH ₂ CONH ₂	NC(NH)NHMe	..

Me	CN	NHCH ₂ CONH ₂	NC(NH)NMe ₂	..
Me	CN	NHCH ₂ CONH ₂	NC(NH)OMe	..
Me	CN	NHCH ₂ CONH ₂	NC(NH)OEt	..
Et	CN	NHCH ₂ CONH ₂	NCOMe	..
Et	CN	NHCH ₂ CONH ₂	NCOEt	..
Et	CN	NHCH ₂ CONH ₂	NCOPr	..
Et	CN	NHCH ₂ CONH ₂	NCHO	..
Et	CN	NHCH ₂ CONH ₂	NCOiPr	..
Et	CN	NHCH ₂ CONH ₂	NCOtBu	..
Et	CN	NHCH ₂ CONH ₂	NCOPh	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ Me	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ Et	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ Pr	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ Ph	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ iPr	..
Et	CN	NHCH ₂ CONH ₂	NNO ₂	..
Et	CN	NHCH ₂ CONH ₂	NCOOMe	..
Et	CN	NHCH ₂ CONH ₂	NCOOEt	..
Et	CN	NHCH ₂ CONH ₂	NCOOPr	..
Et	CN	NHCH ₂ CONH ₂	NCOOiPr	..
Et	CN	NHCH ₂ CONH ₂	NCONHEt	..
Et	CN	NHCH ₂ CONH ₂	NCONHPr	..
Et	CN	NHCH ₂ CONH ₂	NCONH ₂	..
Et	CN	NHCH ₂ CONH ₂	NCONHMe	..
Et	CN	NHCH ₂ CONH ₂	NCN	..
Et	CN	NHCH ₂ CONH ₂	NCOSMe	..
Et	CN	NHCH ₂ CONH ₂	NCOSEt	..
Et	CN	NHCH ₂ CONH ₂	NCSOMe	..

Et	CN	NHCH ₂ CONH ₂	NCSOEt	..
Et	CN	NHCH ₂ CONH ₂	NCSOPr	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ NH ₂	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ NHMe	..
Et	CN	NHCH ₂ CONH ₂	NSO ₂ NMe ₂	..
Et	CN	NHCH ₂ CONH ₂	NP(O)(OMe) ₂	..
Et	CN	NHCH ₂ CONH ₂	NP(O)(OEt) ₂	..
Et	CN	NHCH ₂ CONH ₂	NP(O)Me ₂	..
Et	CN	NHCH ₂ CONH ₂	NP(O)Et ₂	..
Et	CN	NHCH ₂ CONH ₂	NP(O)Me(OMe)	..
Et	CN	NHCH ₂ CONH ₂	NP(O)(OPr) ₂	..
Et	CN	NHCH ₂ CONH ₂	NC(O)C(O)H	..
Et	CN	NHCH ₂ CONH ₂	NC(O)C(O)Me	..
Et	CN	NHCH ₂ CONH ₂	NC(O)C(O)OMe	..
Et	CN	NHCH ₂ CONH ₂	NC(O)C(O)OEt	..
Et	CN	NHCH ₂ CONH ₂	NC(O)C(O)NH ₂	..
Et	CN	NHCH ₂ CONH ₂	NC(O)C(O)OH	..
Et	CN	NHCH ₂ CONH ₂	NC(NH)NH ₂	..
Et	CN	NHCH ₂ CONH ₂	NC(NOH)NH ₂	..
Et	CN	NHCH ₂ CONH ₂	NC(NH)NHMe	..
Et	CN	NHCH ₂ CONH ₂	NC(NH)NMe ₂	..
Et	CN	NHCH ₂ CONH ₂	NC(NH)OMe	..
Et	CN	NHCH ₂ CONH ₂	NC(NH)OEt	..
Me	CN	NHCH ₂ CH ₂ SMe	NCOMe	..
Me	CN	NHCH ₂ CH ₂ SMe	NCOEt	..
Me	CN	NHCH ₂ CH ₂ SMe	NCOPr	..
Me	CN	NHCH ₂ CH ₂ SMe	NCHO	..
Me	CN	NHCH ₂ CH ₂ SMe	NCOiPr	..

Me	CN	NHCH ₂ CH ₂ SMc	NCOtBu	..
Me	CN	NHCH ₂ CH ₂ SMc	NCOPh	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ Me	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ Et	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ Pr	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ Ph	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ iPr	..
Me	CN	NHCH ₂ CH ₂ SMc	NNO ₂	..
Me	CN	NHCH ₂ CH ₂ SMc	NCOOMe	..
Me	CN	NHCH ₂ CH ₂ SMc	NCOOEt	..
Me	CN	NHCH ₂ CH ₂ SMc	NCOOPr	..
Me	CN	NHCH ₂ CH ₂ SMc	NCOOiPr	..
Me	CN	NHCH ₂ CH ₂ SMc	NCONHEt	..
Me	CN	NHCH ₂ CH ₂ SMc	NCONHPr	..
Me	CN	NHCH ₂ CH ₂ SMc	NCONH ₂	..
Me	CN	NHCH ₂ CH ₂ SMc	NCONHMe	..
Me	CN	NHCH ₂ CH ₂ SMc	NCN	..
Me	CN	NHCH ₂ CH ₂ SMc	NCOSMe	..
Me	CN	NHCH ₂ CH ₂ SMc	NCOSEt	..
Me	CN	NHCH ₂ CH ₂ SMc	NCSOMe	..
Me	CN	NHCH ₂ CH ₂ SMc	NCSOEt	..
Me	CN	NHCH ₂ CH ₂ SMc	NCSOPr	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ NH ₂	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ NHMe	..
Me	CN	NHCH ₂ CH ₂ SMc	NSO ₂ NMe ₂	..
Me	CN	NHCH ₂ CH ₂ SMc	NP(O)(OMe) ₂	..
Me	CN	NHCH ₂ CH ₂ SMc	NP(O)(OEt) ₂	..
Me	CN	NHCH ₂ CH ₂ SMc	NP(O)Me ₂	..

Me	CN	NHCH ₂ CH ₂ SMe	NP(O)Et ₂	..
Me	CN	NHCH ₂ CH ₂ SMe	NP(O)Me(OMe)	..
Me	CN	NHCH ₂ CH ₂ SMe	NP(O)(OPr) ₂	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)H	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)Me	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)OMe	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)OEt	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)NH ₂	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)OH	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(NH)NH ₂	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(NOH)NH ₂	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(NH)NHMe	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(NH)NMe ₂	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(NH)OMe	..
Me	CN	NHCH ₂ CH ₂ SMe	NC(NH)OEt	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOEt	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOPr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCHO	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOiPr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOtBu	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOPh	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Me	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Et	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Pr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Ph	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ iPr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NNO ₂	..

Me	CN	NHCH ₂ CH ₂ SOMe	NCOOMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOOEt	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOOPr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOOiPr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCONHEt	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCONHPr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCONH ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCONHMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCN	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOSMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCOSEt	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCSOMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCSOEt	..
Me	CN	NHCH ₂ CH ₂ SOMe	NCSOPr	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ NH ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ NHMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ NMe ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NP(O)(OMe) ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NP(O)(OEt) ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NP(O)Me ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NP(O)Et ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NP(O)Me(OMe)	..
Me	CN	NHCH ₂ CH ₂ SOMe	NP(O)(OPr) ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)H	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)Me	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)OMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)OEt	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)NH ₂	..

Me	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)OH	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(NH)NH ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(NOH)NH ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(NH)NHMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(NH)NMe ₂	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(NH)OMe	..
Me	CN	NHCH ₂ CH ₂ SOMe	NC(NH)OEt	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOEt	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOPr	..
Et	CN	NHCH ₂ CH ₂ SMe	NCHO	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOiPr	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOtBu	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOPh	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ Me	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ Et	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ Pr	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ Ph	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ iPr	..
Et	CN	NHCH ₂ CH ₂ SMe	NNO ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOOMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOOEt	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOOPr	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOOiPr	..
Et	CN	NHCH ₂ CH ₂ SMe	NCONHEt	..
Et	CN	NHCH ₂ CH ₂ SMe	NCONHPr	..
Et	CN	NHCH ₂ CH ₂ SMe	NCONH ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NCONHMe	..

Et	CN	NHCH ₂ CH ₂ SMe	NCN	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOSMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NCOSEt	..
Et	CN	NHCH ₂ CH ₂ SMe	NCSOMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NCSOEt	..
Et	CN	NHCH ₂ CH ₂ SMe	NCSOPr	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ NH ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ NHMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NSO ₂ NMe ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NP(O)(OMe) ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NP(O)(OEt) ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NP(O)Me ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NP(O)Et ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NP(O)Me(OMe)	..
Et	CN	NHCH ₂ CH ₂ SMe	NP(O)(OPr) ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)H	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)Me	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)OMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)OEt	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)NH ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(O)C(O)OH	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(NH)NH ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(NOH)NH ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(NH)NHMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(NH)NMe ₂	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(NH)OMe	..
Et	CN	NHCH ₂ CH ₂ SMe	NC(NH)OEt	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOMe	..

Et	CN	NHCH ₂ CH ₂ SOMe	NCOEt	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOPr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCHO	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOiPr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOtBu	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOPh	..
Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Me	..
Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Et	..
Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Pr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ Ph	..
Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ iPr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NNO ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOOMe	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOOEt	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOOPr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOOiPr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCONHEt	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCONHPr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCONH ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCONHMe	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCN	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOSMe	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCOSet	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCSOMe	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCSOEt	..
Et	CN	NHCH ₂ CH ₂ SOMe	NCSOPr	..
Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ NH ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ NHMe	..

Et	CN	NHCH ₂ CH ₂ SOMe	NSO ₂ NMe ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NP(O)(OMe) ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NP(O)(OEt) ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NP(O)Me ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NP(O)Et ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NP(O)Me(OMe)	..
Et	CN	NHCH ₂ CH ₂ SOMe	NP(O)(OPr) ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)H	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)Me	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)OMe	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)OEt	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)NH ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(O)C(O)OH	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(NH)NH ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(NOH)NH ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(NH)NHMe	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(NH)NMe ₂	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(NH)OMe	..
Et	CN	NHCH ₂ CH ₂ SOMe	NC(NH)OEt	..
Me	CN	NHCOMe	NCOMe	O
Me	CN	NHCOMe	NCOEt	O
Me	CN	NHCOMe	NCOPr	O
Me	CN	NHCOMe	NCHO	O
Me	CN	NHCOMe	NCOiPr	O
Me	CN	NHCOMe	NCOtBu	O
Me	CN	NHCOMe	NCOPh	O
Me	CN	NHCOMe	NSO ₂ Me	O
Me	CN	NHCOMe	NSO ₂ Et	O

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Me	CN	NHCOMe	NSO ₂ Pr	O
Me	CN	NHCOMe	NSO ₂ Ph	O
Me	CN	NHCOMe	NSO ₂ iPr	O
Me	CN	NHCOMe	NNO ₂	O
Me	CN	NHCOMe	NCOOMe	O
Me	CN	NHCOMe	NCOOEt	O
Me	CN	NHCOMe	NCOOPr	O
Me	CN	NHCOMe	NCOOiPr	O
Me	CN	NHCOMe	NCONHEt	O
Me	CN	NHCOMe	NCONHPr	O
Me	CN	NHCOMe	NCONH ₂	O
Me	CN	NHCOMe	NCONHMe	O
Me	CN	NHCOMe	NCN	O
Me	CN	NHCOMe	NCOSMe	O
Me	CN	NHCOMe	NCOSEt	O
Me	CN	NHCOMe	NCSOMe	O
Me	CN	NHCOMe	NCSOEt	O
Me	CN	NHCOMe	NCSOPr	O
Me	CN	NHCOMe	NSO ₂ NH ₂	O
Me	CN	NHCOMe	NSO ₂ NHMe	O
Me	CN	NHCOMe	NSO ₂ NMe ₂	O
Me	CN	NHCOMe	NP(O)(OMe) ₂	O
Me	CN	NHCOMe	NP(O)(OEt) ₂	O
Me	CN	NHCOMe	NP(O)Me ₂	O
Me	CN	NHCOMe	NP(O)Et ₂	O
Me	CN	NHCOMe	NP(O)Me(OMe)	O
Me	CN	NHCOMe	NP(O)(OPr) ₂	O
Me	CN	NHCOMe	NC(O)C(O)H	O

Me	CN	NHCOMe	NC(O)C(O)Me	O
Me	CN	NHCOMe	NC(O)C(O)OMe	O
Me	CN	NHCOMe	NC(O)C(O)OEt	O
Me	CN	NHCOMe	NC(O)C(O)NH ₂	O
Me	CN	NHCOMe	NC(O)C(O)OH	O
Me	CN	NHCOMe	NC(NH)NH ₂	O
Me	CN	NHCOMe	NC(NOH)NH ₂	O
Me	CN	NHCOMe	NC(NH)NHMe	O
Me	CN	NHCOMe	NC(NH)NMe ₂	O
Me	CN	NHCOMe	NC(NH)OMe	O
Me	CN	NHCOMe	NC(NH)OEt	O
Et	CN	NHCOMe	NCOMe	O
Et	CN	NHCOMe	NCOEt	O
Et	CN	NHCOMe	NCOPr	O
Et	CN	NHCOMe	NCHO	O
Et	CN	NHCOMe	NCOiPr	O
Et	CN	NHCOMe	NCOtBu	O
Et	CN	NHCOMe	NCOPh	O
Et	CN	NHCOMe	NSO ₂ Me	O
Et	CN	NHCOMe	NSO ₂ Et	O
Et	CN	NHCOMe	NSO ₂ Pr	O
Et	CN	NHCOMe	NSO ₂ Ph	O
Et	CN	NHCOMe	NSO ₂ iPr	O
Et	CN	NHCOMe	NNO ₂	O
Et	CN	NHCOMe	NCOOMe	O
Et	CN	NHCOMe	NCOOEt	O
Et	CN	NHCOMe	NCOOPr	O
Et	CN	NHCOMe	NCOOiPr	O

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Et	CN	NHCOMe	NCONHEt	O
Et	CN	NHCOMe	NCONHPr	O
Et	CN	NHCOMe	NCONH ₂	O
Et	CN	NHCOMe	NCONHMe	O
Et	CN	NHCOMe	NCN	O
Et	CN	NHCOMe	NCOSMe	O
Et	CN	NHCOMe	NCOSet	O
Et	CN	NHCOMe	NCSOMe	O
Et	CN	NHCOMe	NCSOEt	O
Et	CN	NHCOMe	NCSOPr	O
Et	CN	NHCOMe	NSO ₂ NH ₂	O
Et	CN	NHCOMe	NSO ₂ NHMe	O
Et	CN	NHCOMe	NSO ₂ NMe ₂	O
Et	CN	NHCOMe	NP(O)(OMe) ₂	O
Et	CN	NHCOMe	NP(O)(OEt) ₂	O
Et	CN	NHCOMe	NP(O)Me ₂	O
Et	CN	NHCOMe	NP(O)Et ₂	O
Et	CN	NHCOMe	NP(O)Me(OMe)	O
Et	CN	NHCOMe	NP(O)(OPr) ₂	O
Et	CN	NHCOMe	NC(O)C(O)H	O
Et	CN	NHCOMe	NC(O)C(O)Me	O
Et	CN	NHCOMe	NC(O)C(O)OMe	O
Et	CN	NHCOMe	NC(O)C(O)OEt	O
Et	CN	NHCOMe	NC(O)C(O)NH ₂	O
Et	CN	NHCOMe	NC(O)C(O)OH	O
Et	CN	NHCOMe	NC(NH)NH ₂	O
Et	CN	NHCOMe	NC(NOH)NH ₂	O
Et	CN	NHCOMe	NC(NH)NHMe	O

Et	CN	NHCOMe	NC(NH)NMe ₂	O
Et	CN	NHCOMe	NC(NH)OMe	O
Et	CN	NHCOMe	NC(NH)OEt	O
Me	CN	NHCOOMe	NCOMe	O
Me	CN	NHCOOMe	NCOEt	O
Me	CN	NHCOOMe	NCOPr	O
Me	CN	NHCOOMe	NCHO	O
Me	CN	NHCOOMe	NCOiPr	O
Me	CN	NHCOOMe	NCOtBu	O
Me	CN	NHCOOMe	NCOPh	O
Me	CN	NHCOOMe	NSO ₂ Me	O
Me	CN	NHCOOMe	NSO ₂ Et	O
Me	CN	NHCOOMe	NSO ₂ Pr	O
Me	CN	NHCOOMe	NSO ₂ Ph	O
Me	CN	NHCOOMe	NSO ₂ iPr	O
Me	CN	NHCOOMe	NNO ₂	O
Me	CN	NHCOOMe	NCOOMe	O
Me	CN	NHCOOMe	NCOOEt	O
Me	CN	NHCOOMe	NCOOPr	O
Me	CN	NHCOOMe	NCOOiPr	O
Me	CN	NHCOOMe	NCONHEt	O
Me	CN	NHCOOMe	NCONHPr	O
Me	CN	NHCOOMe	NCONH ₂	O
Me	CN	NHCOOMe	NCONHMe	O
Me	CN	NHCOOMe	NCN	O
Me	CN	NHCOOMe	NCOSMe	O
Me	CN	NHCOOMe	NCOSEt	O
Me	CN	NHCOOMe	NCSOMe	O

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Me	CN	NHCOOMe	NCSOEt	O
Me	CN	NHCOOMe	NCSOPr	O
Me	CN	NHCOOMe	NSO ₂ NH ₂	O
Me	CN	NHCOOMe	NSO ₂ NHMe	O
Me	CN	NHCOOMe	NSO ₂ NMe ₂	O
Me	CN	NHCOOMe	NP(O)(OMe) ₂	O
Me	CN	NHCOOMe	NP(O)(OEt) ₂	O
Me	CN	NHCOOMe	NP(O)Me ₂	O
Me	CN	NHCOOMe	NP(O)Et ₂	O
Me	CN	NHCOOMe	NP(O)Me(OMe)	O
Me	CN	NHCOOMe	NP(O)(OPr) ₂	O
Me	CN	NHCOOMe	NC(O)C(O)H	O
Me	CN	NHCOOMe	NC(O)C(O)Me	O
Me	CN	NHCOOMe	NC(O)C(O)OMe	O
Me	CN	NHCOOMe	NC(O)C(O)OEt	O
Me	CN	NHCOOMe	NC(O)C(O)NH ₂	O
Me	CN	NHCOOMe	NC(O)C(O)OH	O
Me	CN	NHCOOMe	NC(NH)NH ₂	O
Me	CN	NHCOOMe	NC(NOH)NH ₂	O
Me	CN	NHCOOMe	NC(NH)NHMe	O
Me	CN	NHCOOMe	NC(NH)NMe ₂	O
Me	CN	NHCOOMe	NC(NH)OMe	O
Me	CN	NHCOOMe	NC(NH)OEt	O
Et	CN	NHCOOMe	NCOMe	O
Et	CN	NHCOOMe	NCOEt	O
Et	CN	NHCOOMe	NCOPr	O
Et	CN	NHCOOMe	NCHO	O
Et	CN	NHCOOMe	NCOiPr	O

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Et	CN	NHCOOMe	NCOtBu	O
Et	CN	NHCOOMe	NCOPh	O
Et	CN	NHCOOMe	NSO ₂ Me	O
Et	CN	NHCOOMe	NSO ₂ Et	O
Et	CN	NHCOOMe	NSO ₂ Pr	O
Et	CN	NHCOOMe	NSO ₂ Ph	O
Et	CN	NHCOOMe	NSO ₂ iPr	O
Et	CN	NHCOOMe	NNO ₂	O
Et	CN	NHCOOMe	NCOOMe	O
Et	CN	NHCOOMe	NCOOEt	O
Et	CN	NHCOOMe	NCOOPr	O
Et	CN	NHCOOMe	NCOOiPr	O
Et	CN	NHCOOMe	NCONHEt	O
Et	CN	NHCOOMe	NCONHPr	O
Et	CN	NHCOOMe	NCONH ₂	O
Et	CN	NHCOOMe	NCONHMe	O
Et	CN	NHCOOMe	NCN	O
Et	CN	NHCOOMe	NCOSMe	O
Et	CN	NHCOOMe	NCOSMe	O
Et	CN	NHCOOMe	NCSOMe	O
Et	CN	NHCOOMe	NCSOEt	O
Et	CN	NHCOOMe	NCSOPr	O
Et	CN	NHCOOMe	NSO ₂ NH ₂	O
Et	CN	NHCOOMe	NSO ₂ NHMe	O
Et	CN	NHCOOMe	NSO ₂ NMe ₂	O
Et	CN	NHCOOMe	NP(O)(OMe) ₂	O
Et	CN	NHCOOMe	NP(O)(OEt) ₂	O
Et	CN	NHCOOMe	NP(O)Me ₂	O

Et	CN	NHCOOMe	NP(O)Et ₂	O
Et	CN	NHCOOMe	NP(O)Me(OMe)	O
Et	CN	NHCOOMe	NP(O)(OPr) ₂	O
Et	CN	NHCOOMe	NC(O)C(O)H	O
Et	CN	NHCOOMe	NC(O)C(O)Me	O
Et	CN	NHCOOMe	NC(O)C(O)OMe	O
Et	CN	NHCOOMe	NC(O)C(O)OEt	O
Et	CN	NHCOOMe	NC(O)C(O)NH ₂	O
Et	CN	NHCOOMe	NC(O)C(O)OH	O
Et	CN	NHCOOMe	NC(NH)NH ₂	O
Et	CN	NHCOOMe	NC(NOH)NH ₂	O
Et	CN	NHCOOMe	NC(NH)NHMe	O
Et	CN	NHCOOMe	NC(NH)NMe ₂	O
Et	CN	NHCOOMe	NC(NH)OMe	O
Et	CN	NHCOOMe	NC(NH)OEt	O
CF ₃	CN	NH ₂	NCOMe	..
CF ₃	CN	NH ₂	NCOEt	..
CF ₃	CN	NH ₂	NCOPr	..
CF ₃	CN	NH ₂	NCHO	..
CF ₃	CN	NH ₂	NCOiPr	..
CF ₃	CN	NH ₂	NCOtBu	..
CF ₃	CN	NH ₂	NCOPh	..
CF ₃	CN	NH ₂	NSO ₂ Me	..
CF ₃	CN	NH ₂	NSO ₂ Et	..
CF ₃	CN	NH ₂	NSO ₂ Pr	..
CF ₃	CN	NH ₂	NSO ₂ Ph	..
CF ₃	CN	NH ₂	NSO ₂ iPr	..
CF ₃	CN	NH ₂	NNO ₂	..

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CF ₃	CN	NH ₂	NCOOMe	..
CF ₃	CN	NH ₂	NCOOEt	..
CF ₃	CN	NH ₂	NCOOPr	..
CF ₃	CN	NH ₂	NCOOiPr	..
CF ₃	CN	NH ₂	NCONHEt	..
CF ₃	CN	NH ₂	NCONHPr	..
CF ₃	CN	NH ₂	NCONH ₂	..
CF ₃	CN	NH ₂	NCONHMe	..
CF ₃	CN	NH ₂	NCN	..
CF ₃	CN	NH ₂	NCOSMe	..
CF ₃	CN	NH ₂	NCOSEt	..
CF ₃	CN	NH ₂	NCSOMe	..
CF ₃	CN	NH ₂	NCSOEt	..
CF ₃	CN	NH ₂	NCSOPr	..
CF ₃	CN	NH ₂	NSO ₂ NH ₂	..
CF ₃	CN	NH ₂	NSO ₂ NHMe	..
CF ₃	CN	NH ₂	NSO ₂ NMe ₂	..
CF ₃	CN	NH ₂	NP(O)(OMe) ₂	..
CF ₃	CN	NH ₂	NP(O)(OEt) ₂	..
CF ₃	CN	NH ₂	NP(O)Me ₂	..
CF ₃	CN	NH ₂	NP(O)Et ₂	..
CF ₃	CN	NH ₂	NP(O)Me(OMe)	..
CF ₃	CN	NH ₂	NP(O)(OPr) ₂	..
CF ₃	CN	NH ₂	NC(O)C(O)H	..
CF ₃	CN	NH ₂	NC(O)C(O)Me	..
CF ₃	CN	NH ₂	NC(O)C(O)OMe	..
CF ₃	CN	NH ₂	NC(O)C(O)OEt	..
CF ₃	CN	NH ₂	NC(O)C(O)NH ₂	..

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CF ₃	CN	NH ₂	NC(O)C(O)OH	..
CF ₃	CN	NH ₂	NC(NH)NH ₂	..
CF ₃	CN	NH ₂	NC(NOH)NH ₂	..
CF ₃	CN	NH ₂	NC(NH)NHMe	..
CF ₃	CN	NH ₂	NC(NH)NMe ₂	..
CF ₃	CN	NH ₂	NC(NH)OMe	..
CF ₃	CN	NH ₂	NC(NH)OEt	..
CF ₃	CN	NHMe	NCOMe	..
CF ₃	CN	NHMe	NCOEt	..
CF ₃	CN	NHMe	NCOPr	..
CF ₃	CN	NHMe	NCHO	..
CF ₃	CN	NHMe	NCOiPr	..
CF ₃	CN	NHMe	NCOtBu	..
CF ₃	CN	NHMe	NCOPh	..
CF ₃	CN	NHMe	NSO ₂ Me	..
CF ₃	CN	NHMe	NSO ₂ Et	..
CF ₃	CN	NHMe	NSO ₂ Pr	..
CF ₃	CN	NHMe	NSO ₂ Ph	..
CF ₃	CN	NHMe	NSO ₂ iPr	..
CF ₃	CN	NHMe	NNO ₂	..
CF ₃	CN	NHMe	NCOOMe	..
CF ₃	CN	NHMe	NCOOEt	..
CF ₃	CN	NHMe	NCOOPr	..
CF ₃	CN	NHMe	NCOOiPr	..
CF ₃	CN	NHMe	NCONHEt	..
CF ₃	CN	NHMe	NCONHPr	..
CF ₃	CN	NHMe	NCONH ₂	..
CF ₃	CN	NHMe	NCONHMe	..

CF ₃	CN	NHMe	NCN	..
CF ₃	CN	NHMe	NCOSMe	..
CF ₃	CN	NHMe	NCOSEt	..
CF ₃	CN	NHMe	NCSOMe	..
CF ₃	CN	NHMe	NCSOEt	..
CF ₃	CN	NHMe	NCSOPr	..
CF ₃	CN	NHMe	NSO ₂ NH ₂	..
CF ₃	CN	NHMe	NSO ₂ NHMe	..
CF ₃	CN	NHMe	NSO ₂ NMe ₂	..
CF ₃	CN	NHMe	NP(O)(OMe) ₂	..
CF ₃	CN	NHMe	NP(O)(OEt) ₂	..
CF ₃	CN	NHMe	NP(O)Me ₂	..
CF ₃	CN	NHMe	NP(O)Et ₂	..
CF ₃	CN	NHMe	NP(O)Me(OMe)	..
CF ₃	CN	NHMe	NP(O)(OPr) ₂	..
CF ₃	CN	NHMe	NC(O)C(O)H	..
CF ₃	CN	NHMe	NC(O)C(O)Me	..
CF ₃	CN	NHMe	NC(O)C(O)OMe	..
CF ₃	CN	NHMe	NC(O)C(O)OEt	..
CF ₃	CN	NHMe	NC(O)C(O)NH ₂	..
CF ₃	CN	NHMe	NC(O)C(O)OH	..
CF ₃	CN	NHMe	NC(NH)NH ₂	..
CF ₃	CN	NHMe	NC(NOH)NH ₂	..
CF ₃	CN	NHMe	NC(NH)NHMe	..
CF ₃	CN	NHMe	NC(NH)NMe ₂	..
CF ₃	CN	NHMe	NC(NH)OMe	..
CF ₃	CN	NHMe	NC(NH)OEt	..
CF ₃	CN	NHEt	NCOMe	..

CF ₃	CN	NHEt	NCOEt	..
CF ₃	CN	NHEt	NCOPr	..
CF ₃	CN	NHEt	NCHO	..
CF ₃	CN	NHEt	NCOiPr	..
CF ₃	CN	NHEt	NCOtBu	..
CF ₃	CN	NHEt	NCOPh	..
CF ₃	CN	NHEt	NSO ₂ Me	..
CF ₃	CN	NHEt	NSO ₂ Et	..
CF ₃	CN	NHEt	NSO ₂ Pr	..
CF ₃	CN	NHEt	NSO ₂ Ph	..
CF ₃	CN	NHEt	NSO ₂ iPr	..
CF ₃	CN	NHEt	NNO ₂	..
CF ₃	CN	NHEt	NCOOMe	..
CF ₃	CN	NHEt	NCOOEt	..
CF ₃	CN	NHEt	NCOOPr	..
CF ₃	CN	NHEt	NCOOiPr	..
CF ₃	CN	NHEt	NCONHEt	..
CF ₃	CN	NHEt	NCONHPr	..
CF ₃	CN	NHEt	NCONH ₂	..
CF ₃	CN	NHEt	NCONHMe	..
CF ₃	CN	NHEt	NCN	..
CF ₃	CN	NHEt	NCOSMe	..
CF ₃	CN	NHEt	NCOSMe	..
CF ₃	CN	NHEt	NCSOEt	..
CF ₃	CN	NHEt	NCSOEt	..
CF ₃	CN	NHEt	NCSOPr	..
CF ₃	CN	NHEt	NSO ₂ NH ₂	..
CF ₃	CN	NHEt	NSO ₂ NHMe	..

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CF ₃	CN	NHEt	NSO ₂ NMe ₂	..
CF ₃	CN	NHEt	NP(O)(OMe) ₂	..
CF ₃	CN	NHEt	NP(O)(OEt) ₂	..
CF ₃	CN	NHEt	NP(O)Me ₂	..
CF ₃	CN	NHEt	NP(O)Et ₂	..
CF ₃	CN	NHEt	NP(O)Me(OMe)	..
CF ₃	CN	NHEt	NP(O)(OPr) ₂	..
CF ₃	CN	NHEt	NC(O)C(O)H	..
CF ₃	CN	NHEt	NC(O)C(O)Me	..
CF ₃	CN	NHEt	NC(O)C(O)OMe	..
CF ₃	CN	NHEt	NC(O)C(O)OEt	..
CF ₃	CN	NHEt	NC(O)C(O)NH ₂	..
CF ₃	CN	NHEt	NC(O)C(O)OH	..
CF ₃	CN	NHEt	NC(NH)NH ₂	..
CF ₃	CN	NHEt	NC(NOH)NH ₂	..
CF ₃	CN	NHEt	NC(NH)NHMe	..
CF ₃	CN	NHEt	NC(NH)NMe ₂	..
CF ₃	CN	NHEt	NC(NH)OMe	..
CF ₃	CN	NHEt	NC(NH)OEt	..
CF ₃	CN	NHCOMe	NCOMe	..
CF ₃	CN	NHCOMe	NCOEt	..
CF ₃	CN	NHCOMe	NCOPr	..
CF ₃	CN	NHCOMe	NCHO	..
CF ₃	CN	NHCOMe	NCOiPr	..
CF ₃	CN	NHCOMe	NCOtBu	..
CF ₃	CN	NHCOMe	NCOPh	..
CF ₃	CN	NHCOMe	NSO ₂ Me	..
CF ₃	CN	NHCOMe	NSO ₂ Et	..

CF ₃	CN	NHCOMe	NSO ₂ Pr	..
CF ₃	CN	NHCOMe	NSO ₂ Ph	..
CF ₃	CN	NHCOMe	NSO ₂ iPr	..
CF ₃	CN	NHCOMe	NNO ₂	..
CF ₃	CN	NHCOMe	NCOOMe	..
CF ₃	CN	NHCOMe	NCOOEt	..
CF ₃	CN	NHCOMe	NCOOPr	..
CF ₃	CN	NHCOMe	NCOOiPr	..
CF ₃	CN	NHCOMe	NCONHEt	..
CF ₃	CN	NHCOMe	NCONHPr	..
CF ₃	CN	NHCOMe	NCONH ₂	..
CF ₃	CN	NHCOMe	NCONHMe	..
CF ₃	CN	NHCOMe	NCN	..
CF ₃	CN	NHCOMe	NCOSMe	..
CF ₃	CN	NHCOMe	NCOSMe	..
CF ₃	CN	NHCOMe	NCOSEt	..
CF ₃	CN	NHCOMe	NCSOMe	..
CF ₃	CN	NHCOMe	NCSOEt	..
CF ₃	CN	NHCOMe	NCSOPr	..
CF ₃	CN	NHCOMe	NSO ₂ NH ₂	..
CF ₃	CN	NHCOMe	NSO ₂ NHMe	..
CF ₃	CN	NHCOMe	NSO ₂ NMe ₂	..
CF ₃	CN	NHCOMe	NP(O)(OMe) ₂	..
CF ₃	CN	NHCOMe	NP(O)(OEt) ₂	..
CF ₃	CN	NHCOMe	NP(O)Me ₂	..
CF ₃	CN	NHCOMe	NP(O)Et ₂	..
CF ₃	CN	NHCOMe	NP(O)Me(OMe)	..
CF ₃	CN	NHCOMe	NP(O)(OPr) ₂	..
CF ₃	CN	NHCOMe	NC(O)C(O)H	..

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CF ₃	CN	NHCOMe	NC(O)C(O)Me	..
CF ₃	CN	NHCOMe	NC(O)C(O)OMe	..
CF ₃	CN	NHCOMe	NC(O)C(O)OEt	..
CF ₃	CN	NHCOMe	NC(O)C(O)NH ₂	..
CF ₃	CN	NHCOMe	NC(O)C(O)OH	..
CF ₃	CN	NHCOMe	NC(NH)NH ₂	..
CF ₃	CN	NHCOMe	NC(NOH)NH ₂	..
CF ₃	CN	NHCOMe	NC(NH)NHMe	..
CF ₃	CN	NHCOMe	NC(NH)NMe ₂	..
CF ₃	CN	NHCOMe	NC(NH)OMe	..
CF ₃	CN	NHCOMe	NC(NH)OEt	..
CF ₃	CN	NH ₂	NCOMe	O
CF ₃	CN	NH ₂	NH	O
CF ₃	CN	NH ₂	NCOEt	O
CF ₃	CN	NH ₂	NCOPr	O
CF ₃	CN	NH ₂	NCHO	O
CF ₃	CN	NH ₂	NCOiPr	O
CF ₃	CN	NH ₂	NCOtBu	O
CF ₃	CN	NH ₂	NCOPh	O
CF ₃	CN	NH ₂	NSO ₂ Me	O
CF ₃	CN	NH ₂	NSO ₂ Et	O
CF ₃	CN	NH ₂	NSO ₂ Pr	O
CF ₃	CN	NH ₂	NSO ₂ Ph	O
CF ₃	CN	NH ₂	NSO ₂ iPr	O
CF ₃	CN	NH ₂	NNO ₂	O
CF ₃	CN	NH ₂	NCOOMe	O
CF ₃	CN	NH ₂	NCOOEt	O
CF ₃	CN	NH ₂	NCOOPr	O

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CF ₃	CN	NH ₂	NCOOiPr	O
CF ₃	CN	NH ₂	NCONHEt	O
CF ₃	CN	NH ₂	NCONHPr	O
CF ₃	CN	NH ₂	NCONH ₂	O
CF ₃	CN	NH ₂	NCONHMe	O
CF ₃	CN	NH ₂	NCN	O
CF ₃	CN	NH ₂	NCOSMe	O
CF ₃	CN	NH ₂	NCOSet	O
CF ₃	CN	NH ₂	NCSOMe	O
CF ₃	CN	NH ₂	NCSOEt	O
CF ₃	CN	NH ₂	NCSOPr	O
CF ₃	CN	NH ₂	NSO ₂ NH ₂	O
CF ₃	CN	NH ₂	NSO ₂ NHMe	O
CF ₃	CN	NH ₂	NSO ₂ NMe ₂	O
CF ₃	CN	NH ₂	NP(O)(OMe) ₂	O
CF ₃	CN	NH ₂	NP(O)(OEt) ₂	O
CF ₃	CN	NH ₂	NP(O)Me ₂	O
CF ₃	CN	NH ₂	NP(O)Et ₂	O
CF ₃	CN	NH ₂	NP(O)Me(OMe)	O
CF ₃	CN	NH ₂	NP(O)(OPr) ₂	O
CF ₃	CN	NH ₂	NC(O)C(O)H	O
CF ₃	CN	NH ₂	NC(O)C(O)Me	O
CF ₃	CN	NH ₂	NC(O)C(O)OMe	O
CF ₃	CN	NH ₂	NC(O)C(O)OEt	O
CF ₃	CN	NH ₂	NC(O)C(O)NH ₂	O
CF ₃	CN	NH ₂	NC(O)C(O)OH	O
CF ₃	CN	NH ₂	NC(NH)NH ₂	O
CF ₃	CN	NH ₂	NC(NOH)NH ₂	O

CF ₃	CN	NH ₂	NC(NH)NHMe	O
CF ₃	CN	NH ₂	NC(NH)NMe ₂	O
CF ₃	CN	NH ₂	NC(NH)OMe	O
CF ₃	CN	NH ₂	NC(NH)OEt	O
CF ₃	CN	NHMe	NCOMe	O
CF ₃	CN	NHMe	NCOEt	O
CF ₃	CN	NHMe	NCOPr	O
CF ₃	CN	NHMe	NCHO	O
CF ₃	CN	NHMe	NCOiPr	O
CF ₃	CN	NHMe	NCOtBu	O
CF ₃	CN	NHMe	NCOPh	O
CF ₃	CN	NHMe	NSO ₂ Me	O
CF ₃	CN	NHMe	NSO ₂ Et	O
CF ₃	CN	NHMe	NSO ₂ Pr	O
CF ₃	CN	NHMe	NSO ₂ Ph	O
CF ₃	CN	NHMe	NSO ₂ iPr	O
CF ₃	CN	NHMe	NNO ₂	O
CF ₃	CN	NHMe	NCOOMe	O
CF ₃	CN	NHMe	NCOOEt	O
CF ₃	CN	NHMe	NCOOPr	O
CF ₃	CN	NHMe	NCOOiPr	O
CF ₃	CN	NHMe	NCONHEt	O
CF ₃	CN	NHMe	NCONHPr	O
CF ₃	CN	NHMe	NCONH ₂	O
CF ₃	CN	NHMe	NCONHMe	O
CF ₃	CN	NHMe	NCN	O
CF ₃	CN	NHMe	NCOSMe	O
CF ₃	CN	NHMe	NCOSEt	O

CF ₃	CN	NHMe	NCSOMe	O
CF ₃	CN	NHMe	NCSOEt	O
CF ₃	CN	NHMe	NCSOPr	O
CF ₃	CN	NHMe	NSO ₂ NH ₂	O
CF ₃	CN	NHMe	NSO ₂ NHMe	O
CF ₃	CN	NHMe	NSO ₂ NMe ₂	O
CF ₃	CN	NHMe	NP(O)(OMe) ₂	O
CF ₃	CN	NHMe	NP(O)(OEt) ₂	O
CF ₃	CN	NHMe	NP(O)Me ₂	O
CF ₃	CN	NHMe	NP(O)Et ₂	O
CF ₃	CN	NHMe	NP(O)Me(OMe)	O
CF ₃	CN	NHMe	NP(O)(OPr) ₂	O
CF ₃	CN	NHMe	NC(O)C(O)H	O
CF ₃	CN	NHMe	NC(O)C(O)Me	O
CF ₃	CN	NHMe	NC(O)C(O)OMe	O
CF ₃	CN	NHMe	NC(O)C(O)OEt	O
CF ₃	CN	NHMe	NC(O)C(O)NH ₂	O
CF ₃	CN	NHMe	NC(O)C(O)OH	O
CF ₃	CN	NHMe	NC(NH)NH ₂	O
CF ₃	CN	NHMe	NC(NO ₂)NH ₂	O
CF ₃	CN	NHMe	NC(NH)NHMe	O
CF ₃	CN	NHMe	NC(NH)NMe ₂	O
CF ₃	CN	NHMe	NC(NH)OMe	O
CF ₃	CN	NHMe	NC(NH)OEt	O
CF ₃	CN	NHEt	NCOMe	O
CF ₃	CN	NHEt	NCOEt	O
CF ₃	CN	NHEt	NCOPr	O
CF ₃	CN	NHEt	NCHO	O

CF ₃	CN	NHEt	NCOiPr	O
CF ₃	CN	NHEt	NCOtBu	O
CF ₃	CN	NHEt	NCOPh	O
CF ₃	CN	NHEt	NSO ₂ Me	O
CF ₃	CN	NHEt	NSO ₂ Et	O
CF ₃	CN	NHEt	NSO ₂ Pr	O
CF ₃	CN	NHEt	NSO ₂ Ph	O
CF ₃	CN	NHEt	NSO ₂ iPr	O
CF ₃	CN	NHEt	NNO ₂	O
CF ₃	CN	NHEt	NCOOMe	O
CF ₃	CN	NHEt	NCOOEt	O
CF ₃	CN	NHEt	NCOOPr	O
CF ₃	CN	NHEt	NCOOiPr	O
CF ₃	CN	NHEt	NCONHEt	O
CF ₃	CN	NHEt	NCONHPr	O
CF ₃	CN	NHEt	NCONH ₂	O
CF ₃	CN	NHEt	NCONHMe	O
CF ₃	CN	NHEt	NCN	O
CF ₃	CN	NHEt	NCOSMe	O
CF ₃	CN	NHEt	NCOSEt	O
CF ₃	CN	NHEt	NCSOMe	O
CF ₃	CN	NHEt	NCSOEt	O
CF ₃	CN	NHEt	NCSOPr	O
CF ₃	CN	NHEt	NSO ₂ NH ₂	O
CF ₃	CN	NHEt	NSO ₂ NHMe	O
CF ₃	CN	NHEt	NSO ₂ NMe ₂	O
CF ₃	CN	NHEt	NP(O)(OMe) ₂	O
CF ₃	CN	NHEt	NP(O)(OEt) ₂	O

CF ₃	CN	NHEt	NP(O)Me ₂	O
CF ₃	CN	NHEt	NP(O)Et ₂	O
CF ₃	CN	NHEt	NP(O)Me(OMe)	O
CF ₃	CN	NHEt	NP(O)(OPr) ₂	O
CF ₃	CN	NHEt	NC(O)C(O)H	O
CF ₃	CN	NHEt	NC(O)C(O)Me	O
CF ₃	CN	NHEt	NC(O)C(O)OMe	O
CF ₃	CN	NHEt	NC(O)C(O)OEt	O
CF ₃	CN	NHEt	NC(O)C(O)NH ₂	O
CF ₃	CN	NHEt	NC(O)C(O)OH	O
CF ₃	CN	NHEt	NC(NH)NH ₂	O
CF ₃	CN	NHEt	NC(NOH)NH ₂	O
CF ₃	CN	NHEt	NC(NH)NHMe	O
CF ₃	CN	NHEt	NC(NH)NMe ₂	O
CF ₃	CN	NHEt	NC(NH)OMe	O
CF ₃	CN	NHEt	NC(NH)OEt	O
CCl ₂ F	CN	NH ₂	NCOMe	..
CCl ₂ F	CN	NH ₂	NCOEt	..
CCl ₂ F	CN	NH ₂	NCOPr	..
CCl ₂ F	CN	NH ₂	NCHO	..
CCl ₂ F	CN	NH ₂	NCOiPr	..
CCl ₂ F	CN	NH ₂	NCOtBu	..
CCl ₂ F	CN	NH ₂	NCOPh	..
CCl ₂ F	CN	NH ₂	NSO ₂ Me	..
CCl ₂ F	CN	NH ₂	NSO ₂ Et	..
CCl ₂ F	CN	NH ₂	NSO ₂ Pr	..
CCl ₂ F	CN	NH ₂	NSO ₂ Ph	..
CCl ₂ F	CN	NH ₂	NSO ₂ iPr	..

CCl ₂ F	CN	NH ₂	NNO ₂	..
CCl ₂ F	CN	NH ₂	NCOOMe	..
CCl ₂ F	CN	NH ₂	NCOOEt	..
CCl ₂ F	CN	NH ₂	NCOOPr	..
CCl ₂ F	CN	NH ₂	NCOOiPr	..
CCl ₂ F	CN	NH ₂	NCONHEt	..
CCl ₂ F	CN	NH ₂	NCONHPr	..
CCl ₂ F	CN	NH ₂	NCONH ₂	..
CCl ₂ F	CN	NH ₂	NCONHMe	..
CCl ₂ F	CN	NH ₂	NCN	..
CCl ₂ F	CN	NH ₂	NCOSMe	..
CCl ₂ F	CN	NH ₂	NCOSMe	..
CCl ₂ F	CN	NH ₂	NCSOMe	..
CCl ₂ F	CN	NH ₂	NCSOEt	..
CCl ₂ F	CN	NH ₂	NCSOPr	..
CCl ₂ F	CN	NH ₂	NSO ₂ NH ₂	..
CCl ₂ F	CN	NH ₂	NSO ₂ NHMe	..
CCl ₂ F	CN	NH ₂	NSO ₂ NMe ₂	..
CCl ₂ F	CN	NH ₂	NP(O)(OMe) ₂	..
CCl ₂ F	CN	NH ₂	NP(O)(OEt) ₂	..
CCl ₂ F	CN	NH ₂	NP(O)Me ₂	..
CCl ₂ F	CN	NH ₂	NP(O)Et ₂	..
CCl ₂ F	CN	NH ₂	NP(O)Me(OMe)	..
CCl ₂ F	CN	NH ₂	NP(O)(OPr) ₂	..
CCl ₂ F	CN	NH ₂	NC(O)C(O)H	..
CCl ₂ F	CN	NH ₂	NC(O)C(O)Me	..
CCl ₂ F	CN	NH ₂	NC(O)C(O)OMe	..
CCl ₂ F	CN	NH ₂	NC(O)C(O)OEt	..

CCl ₂ F	CN	NH ₂	NC(O)C(O)NH ₂	..
CCl ₂ F	CN	NH ₂	NC(O)C(O)OH	..
CCl ₂ F	CN	NH ₂	NC(NH)NH ₂	..
CCl ₂ F	CN	NH ₂	NC(NO ₂)NH ₂	..
CCl ₂ F	CN	NH ₂	NC(NH)NHMe	..
CCl ₂ F	CN	NH ₂	NC(NH)NMe ₂	..
CCl ₂ F	CN	NH ₂	NC(NH)OMe	..
CCl ₂ F	CN	NH ₂	NC(NH)OEt	..
CCl ₂ F	CN	NHMe	NCOMe	..
CCl ₂ F	CN	NHMe	NCOEt	..
CCl ₂ F	CN	NHMe	NCOPr	..
CCl ₂ F	CN	NHMe	NCHO	..
CCl ₂ F	CN	NHMe	NCOiPr	..
CCl ₂ F	CN	NHMe	NCOtBu	..
CCl ₂ F	CN	NHMe	NCOPh	..
CCl ₂ F	CN	NHMe	NSO ₂ Me	..
CCl ₂ F	CN	NHMe	NSO ₂ Et	..
CCl ₂ F	CN	NHMe	NSO ₂ Pr	..
CCl ₂ F	CN	NHMe	NSO ₂ Ph	..
CCl ₂ F	CN	NHMe	NSO ₂ iPr	..
CCl ₂ F	CN	NHMe	NNO ₂	..
CCl ₂ F	CN	NHMe	NCOOMe	..
CCl ₂ F	CN	NHMe	NCOOEt	..
CCl ₂ F	CN	NHMe	NCOOPr	..
CCl ₂ F	CN	NHMe	NCOOiPr	..
CCl ₂ F	CN	NHMe	NCONHEt	..
CCl ₂ F	CN	NHMe	NCONHPr	..
CCl ₂ F	CN	NHMe	NCONH ₂	..

CCl ₂ F	CN	NHMe	NCONHMe	..
CCl ₂ F	CN	NHMe	NCN	..
CCl ₂ F	CN	NHMe	NCOSMe	..
CCl ₂ F	CN	NHMe	NCOSEt	..
CCl ₂ F	CN	NHMe	NCSOMe	..
CCl ₂ F	CN	NHMe	NCSOEt	..
CCl ₂ F	CN	NHMe	NCSOPr	..
CCl ₂ F	CN	NHMe	NSO ₂ NH ₂	..
CCl ₂ F	CN	NHMe	NSO ₂ NHMe	..
CCl ₂ F	CN	NHMe	NSO ₂ NMe ₂	..
CCl ₂ F	CN	NHMe	NP(O)(OMe) ₂	..
CCl ₂ F	CN	NHMe	NP(O)(OEt) ₂	..
CCl ₂ F	CN	NHMe	NP(O)Me ₂	..
CCl ₂ F	CN	NHMe	NP(O)Et ₂	..
CCl ₂ F	CN	NHMe	NP(O)Me(OMe)	..
CCl ₂ F	CN	NHMe	NP(O)(OPr) ₂	..
CCl ₂ F	CN	NHMe	NC(O)C(O)H	..
CCl ₂ F	CN	NHMe	NC(O)C(O)Me	..
CCl ₂ F	CN	NHMe	NC(O)C(O)OMe	..
CCl ₂ F	CN	NHMe	NC(O)C(O)OEt	..
CCl ₂ F	CN	NHMe	NC(O)C(O)NH ₂	..
CCl ₂ F	CN	NHMe	NC(O)C(O)OH	..
CCl ₂ F	CN	NHMe	NC(NH)NH ₂	..
CCl ₂ F	CN	NHMe	NC(NOH)NH ₂	..
CCl ₂ F	CN	NHMe	NC(NH)NHMe	..
CCl ₂ F	CN	NHMe	NC(NH)NMe ₂	..
CCl ₂ F	CN	NHMe	NC(NH)OMe	..
CCl ₂ F	CN	NHMe	NC(NH)OEt	..

CCl ₂ F	CN	NHEt	NCOMe	..
CCl ₂ F	CN	NHEt	NCOEt	..
CCl ₂ F	CN	NHEt	NCOPr	..
CCl ₂ F	CN	NHEt	NCHO	..
CCl ₂ F	CN	NHEt	NCOiPr	..
CCl ₂ F	CN	NHEt	NCOtBu	..
CCl ₂ F	CN	NHEt	NCOPh	..
CCl ₂ F	CN	NHEt	NSO ₂ Me	..
CCl ₂ F	CN	NHEt	NSO ₂ Et	..
CCl ₂ F	CN	NHEt	NSO ₂ Pr	..
CCl ₂ F	CN	NHEt	NSO ₂ Ph	..
CCl ₂ F	CN	NHEt	NSO ₂ iPr	..
CCl ₂ F	CN	NHEt	NNO ₂	..
CCl ₂ F	CN	NHEt	NCOOMe	..
CCl ₂ F	CN	NHEt	NCOOEt	..
CCl ₂ F	CN	NHEt	NCOOPr	..
CCl ₂ F	CN	NHEt	NCOOiPr	..
CCl ₂ F	CN	NHEt	NCONHEt	..
CCl ₂ F	CN	NHEt	NCONHPr	..
CCl ₂ F	CN	NHEt	NCONH ₂	..
CCl ₂ F	CN	NHEt	NCONHMe	..
CCl ₂ F	CN	NHEt	NCN	..
CCl ₂ F	CN	NHEt	NCOSMe	..
CCl ₂ F	CN	NHEt	NCOSEt	..
CCl ₂ F	CN	NHEt	NCSOMe	..
CCl ₂ F	CN	NHEt	NCSOEt	..
CCl ₂ F	CN	NHEt	NCSOPr	..
CCl ₂ F	CN	NHEt	NSO ₂ NH ₂	..

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CCl ₂ F	CN	NHEt	NSO ₂ NHMe	..
CCl ₂ F	CN	NHEt	NSO ₂ NMe ₂	..
CCl ₂ F	CN	NHEt	NP(O)(OMe) ₂	..
CCl ₂ F	CN	NHEt	NP(O)(OEt) ₂	..
CCl ₂ F	CN	NHEt	NP(O)Me ₂	..
CCl ₂ F	CN	NHEt	NP(O)Et ₂	..
CCl ₂ F	CN	NHEt	NP(O)Me(OMe)	..
CCl ₂ F	CN	NHEt	NP(O)(OPr) ₂	..
CCl ₂ F	CN	NHEt	NC(O)C(O)H	..
CCl ₂ F	CN	NHEt	NC(O)C(O)Me	..
CCl ₂ F	CN	NHEt	NC(O)C(O)OMe	..
CCl ₂ F	CN	NHEt	NC(O)C(O)OEt	..
CCl ₂ F	CN	NHEt	NC(O)C(O)NH ₂	..
CCl ₂ F	CN	NHEt	NC(O)C(O)OH	..
CCl ₂ F	CN	NHEt	NC(NH)NH ₂	..
CCl ₂ F	CN	NHEt	NC(NOH)NH ₂	..
CCl ₂ F	CN	NHEt	NC(NH)NHMe	..
CCl ₂ F	CN	NHEt	NC(NH)NMe ₂	..
CCl ₂ F	CN	NHEt	NC(NH)OMe	..
CCl ₂ F	CN	NHEt	NC(NH)OEt	..
CCl ₂ F	CN	NH ₂	NH	O
CCl ₂ F	CN	NH ₂	NCOMe	O
CCl ₂ F	CN	NH ₂	NCOEt	O
CCl ₂ F	CN	NH ₂	NCOPr	O
CCl ₂ F	CN	NH ₂	NCHO	O
CCl ₂ F	CN	NH ₂	NCOiPr	O
CCl ₂ F	CN	NH ₂	NCOtBu	O
CCl ₂ F	CN	NH ₂	NCOPh	O

CCl ₂ F	CN	NH ₂	NSO ₂ Me	O
CCl ₂ F	CN	NH ₂	NSO ₂ Et	O
CCl ₂ F	CN	NH ₂	NSO ₂ Pr	O
CCl ₂ F	CN	NH ₂	NSO ₂ Ph	O
CCl ₂ F	CN	NH ₂	NSO ₂ iPr	O
CCl ₂ F	CN	NH ₂	NNO ₂	O
CCl ₂ F	CN	NH ₂	NCOOMe	O
CCl ₂ F	CN	NH ₂	NCOOEt	O
CCl ₂ F	CN	NH ₂	NCOOPr	O
CCl ₂ F	CN	NH ₂	NCOOiPr	O
CCl ₂ F	CN	NH ₂	NCONHEt	O
CCl ₂ F	CN	NH ₂	NCONHPr	O
CCl ₂ F	CN	NH ₂	NCONH ₂	O
CCl ₂ F	CN	NH ₂	NCONHMe	O
CCl ₂ F	CN	NH ₂	NCN	O
CCl ₂ F	CN	NH ₂	NCOSMe	O
CCl ₂ F	CN	NH ₂	NCOSMe	O
CCl ₂ F	CN	NH ₂	NCSOMe	O
CCl ₂ F	CN	NH ₂	NCSOEt	O
CCl ₂ F	CN	NH ₂	NCSOPr	O
CCl ₂ F	CN	NH ₂	NSO ₂ NH ₂	O
CCl ₂ F	CN	NH ₂	NSO ₂ NHMe	O
CCl ₂ F	CN	NH ₂	NSO ₂ NMe ₂	O
CCl ₂ F	CN	NH ₂	NP(O)(OMe) ₂	O
CCl ₂ F	CN	NH ₂	NP(O)(OEt) ₂	O
CCl ₂ F	CN	NH ₂	NP(O)Me ₂	O
CCl ₂ F	CN	NH ₂	NP(O)Et ₂	O
CCl ₂ F	CN	NH ₂	NP(O)Me(OMe)	O

CCl ₂ F	CN	NH ₂	NP(O)(OPr) ₂	O
CCl ₂ F	CN	NH ₂	NC(O)C(O)H	O
CCl ₂ F	CN	NH ₂	NC(O)C(O)Me	O
CCl ₂ F	CN	NH ₂	NC(O)C(O)OMe	O
CCl ₂ F	CN	NH ₂	NC(O)C(O)OEt	O
CCl ₂ F	CN	NH ₂	NC(O)C(O)NH ₂	O
CCl ₂ F	CN	NH ₂	NC(O)C(O)OH	O
CCl ₂ F	CN	NH ₂	NC(NH)NH ₂	O
CCl ₂ F	CN	NH ₂	NC(NO ₂)NH ₂	O
CCl ₂ F	CN	NH ₂	NC(NH)NHMe	O
CCl ₂ F	CN	NH ₂	NC(NH)NMe ₂	O
CCl ₂ F	CN	NH ₂	NC(NH)OMe	O
CCl ₂ F	CN	NH ₂	NC(NH)OEt	O
CCl ₂ F	CN	NHMe	NCOMe	O
CCl ₂ F	CN	NHMe	NCOEt	O
CCl ₂ F	CN	NHMe	NCOPr	O
CCl ₂ F	CN	NHMe	NCHO	O
CCl ₂ F	CN	NHMe	NCOiPr	O
CCl ₂ F	CN	NHMe	NCOtBu	O
CCl ₂ F	CN	NHMe	NCOPh	O
CCl ₂ F	CN	NHMe	NSO ₂ Me	O
CCl ₂ F	CN	NHMe	NSO ₂ Et	O
CCl ₂ F	CN	NHMe	NSO ₂ Pr	O
CCl ₂ F	CN	NHMe	NSO ₂ Ph	O
CCl ₂ F	CN	NHMe	NSO ₂ iPr	O
CCl ₂ F	CN	NHMe	NNO ₂	O
CCl ₂ F	CN	NHMe	NCOOMe	O
CCl ₂ F	CN	NHMe	NCOOEt	O

CCl ₂ F	CN	NHMe	NCOOPr	O
CCl ₂ F	CN	NHMe	NCOOiPr	O
CCl ₂ F	CN	NHMe	NCONHEt	O
CCl ₂ F	CN	NHMe	NCONHPr	O
CCl ₂ F	CN	NHMe	NCONH ₂	O
CCl ₂ F	CN	NHMe	NCONHMe	O
CCl ₂ F	CN	NHMe	NCN	O
CCl ₂ F	CN	NHMe	NCOSMe	O
CCl ₂ F	CN	NHMe	NCOSet	O
CCl ₂ F	CN	NHMe	NCSOMe	O
CCl ₂ F	CN	NHMe	NCSOEt	O
CCl ₂ F	CN	NHMe	NCSOPr	O
CCl ₂ F	CN	NHMe	NSO ₂ NH ₂	O
CCl ₂ F	CN	NHMe	NSO ₂ NHMe	O
CCl ₂ F	CN	NHMe	NSO ₂ NMe ₂	O
CCl ₂ F	CN	NHMe	NP(O)(OMe) ₂	O
CCl ₂ F	CN	NHMe	NP(O)(OEt) ₂	O
CCl ₂ F	CN	NHMe	NP(O)Me ₂	O
CCl ₂ F	CN	NHMe	NP(O)Et ₂	O
CCl ₂ F	CN	NHMe	NP(O)Me(OMe)	O
CCl ₂ F	CN	NHMe	NP(O)(OPr) ₂	O
CCl ₂ F	CN	NHMe	NC(O)C(O)H	O
CCl ₂ F	CN	NHMe	NC(O)C(O)Me	O
CCl ₂ F	CN	NHMe	NC(O)C(O)OMe	O
CCl ₂ F	CN	NHMe	NC(O)C(O)OEt	O
CCl ₂ F	CN	NHMe	NC(O)C(O)NH ₂	O
CCl ₂ F	CN	NHMe	NC(O)C(O)OH	O
CCl ₂ F	CN	NHMe	NC(NH)NH ₂	O

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CCl ₂ F	CN	NHMe	NC(NO ₂)NH ₂	O
CCl ₂ F	CN	NHMe	NC(NH)NHMe	O
CCl ₂ F	CN	NHMe	NC(NH)NMe ₂	O
CCl ₂ F	CN	NHMe	NC(NH)OMe	O
CCl ₂ F	CN	NHMe	NC(NH)OEt	O
CCl ₂ F	CN	NHEt	NCOMe	O
CCl ₂ F	CN	NHEt	NCOEt	O
CCl ₂ F	CN	NHEt	NCOPr	O
CCl ₂ F	CN	NHEt	NCHO	O
CCl ₂ F	CN	NHEt	NCOiPr	O
CCl ₂ F	CN	NHEt	NCOtBu	O
CCl ₂ F	CN	NHEt	NCOPh	O
CCl ₂ F	CN	NHEt	NSO ₂ Me	O
CCl ₂ F	CN	NHEt	NSO ₂ Et	O
CCl ₂ F	CN	NHEt	NSO ₂ Pr	O
CCl ₂ F	CN	NHEt	NSO ₂ Ph	O
CCl ₂ F	CN	NHEt	NSO ₂ iPr	O
CCl ₂ F	CN	NHEt	NNO ₂	O
CCl ₂ F	CN	NHEt	NCOOMe	O
CCl ₂ F	CN	NHEt	NCOOEt	O
CCl ₂ F	CN	NHEt	NCOOPr	O
CCl ₂ F	CN	NHEt	NCOOiPr	O
CCl ₂ F	CN	NHEt	NCONHEt	O
CCl ₂ F	CN	NHEt	NCONHPr	O
CCl ₂ F	CN	NHEt	NCONH ₂	O
CCl ₂ F	CN	NHEt	NCONHMe	O
CCl ₂ F	CN	NHEt	NCN	O
CCl ₂ F	CN	NHEt	NCOSMe	O

CCl ₂ F	CN	NHEt	NCOSEt	O
CCl ₂ F	CN	NHEt	NCSOMe	O
CCl ₂ F	CN	NHEt	NCSOEt	O
CCl ₂ F	CN	NHEt	NCSOPr	O
CCl ₂ F	CN	NHEt	NSO ₂ NH ₂	O
CCl ₂ F	CN	NHEt	NSO ₂ NHMe	O
CCl ₂ F	CN	NHEt	NSO ₂ NMe ₂	O
CCl ₂ F	CN	NHEt	NP(O)(OMe) ₂	O
CCl ₂ F	CN	NHEt	NP(O)(OEt) ₂	O
CCl ₂ F	CN	NHEt	NP(O)Me ₂	O
CCl ₂ F	CN	NHEt	NP(O)Et ₂	O
CCl ₂ F	CN	NHEt	NP(O)Me(OMe)	O
CCl ₂ F	CN	NHEt	NP(O)(OPr) ₂	O
CCl ₂ F	CN	NHEt	NC(O)C(O)H	O
CCl ₂ F	CN	NHEt	NC(O)C(O)Me	O
CCl ₂ F	CN	NHEt	NC(O)C(O)OMe	O
CCl ₂ F	CN	NHEt	NC(O)C(O)OEt	O
CCl ₂ F	CN	NHEt	NC(O)C(O)NH ₂	O
CCl ₂ F	CN	NHEt	NC(O)C(O)OH	O
CCl ₂ F	CN	NHEt	NC(NH)NH ₂	O
CCl ₂ F	CN	NHEt	NC(NOH)NH ₂	O
CCl ₂ F	CN	NHEt	NC(NH)NHMe	O
CCl ₂ F	CN	NHEt	NC(NH)NMe ₂	O
CCl ₂ F	CN	NHEt	NC(NH)OMe	O
CCl ₂ F	CN	NHEt	NC(NH)OEt	O
CF ₂ Cl	CN	NH ₂	NCOMe	"
CF ₂ Cl	CN	NH ₂	NCOEt	"
CF ₂ Cl	CN	NH ₂	NCOPr	"

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CF ₂ Cl	CN	NH ₂	NCHO	..
CF ₂ Cl	CN	NH ₂	NCOiPr	..
CF ₂ Cl	CN	NH ₂	NCOtBu	..
CF ₂ Cl	CN	NH ₂	NCOPh	..
CF ₂ Cl	CN	NH ₂	NSO ₂ Me	..
CF ₂ Cl	CN	NH ₂	NSO ₂ Et	..
CF ₂ Cl	CN	NH ₂	NSO ₂ Pr	..
CF ₂ Cl	CN	NH ₂	NSO ₂ Ph	..
CF ₂ Cl	CN	NH ₂	NSO ₂ iPr	..
CF ₂ Cl	CN	NH ₂	NNO ₂	..
CF ₂ Cl	CN	NH ₂	NCOOMe	..
CF ₂ Cl	CN	NH ₂	NCOOEt	..
CF ₂ Cl	CN	NH ₂	NCOOPr	..
CF ₂ Cl	CN	NH ₂	NCOOiPr	..
CF ₂ Cl	CN	NH ₂	NCONHEt	..
CF ₂ Cl	CN	NH ₂	NCONHPr	..
CF ₂ Cl	CN	NH ₂	NCONH ₂	..
CF ₂ Cl	CN	NH ₂	NCONHMe	..
CF ₂ Cl	CN	NH ₂	NCN	..
CF ₂ Cl	CN	NH ₂	NCOSMe	..
CF ₂ Cl	CN	NH ₂	NCOSEt	..
CF ₂ Cl	CN	NH ₂	NCSOMe	..
CF ₂ Cl	CN	NH ₂	NCSOEt	..
CF ₂ Cl	CN	NH ₂	NCSOPr	..
CF ₂ Cl	CN	NH ₂	NSO ₂ NH ₂	..
CF ₂ Cl	CN	NH ₂	NSO ₂ NHMe	..
CF ₂ Cl	CN	NH ₂	NSO ₂ NMe ₂	..
CF ₂ Cl	CN	NH ₂	NP(O)(OMe) ₂	..

CF ₂ Cl	CN	NH ₂	NP(O)(OEt) ₂	..
CF ₂ Cl	CN	NH ₂	NP(O)Me ₂	..
CF ₂ Cl	CN	NH ₂	NP(O)Et ₂	..
CF ₂ Cl	CN	NH ₂	NP(O)Me(OMe)	..
CF ₂ Cl	CN	NH ₂	NP(O)(OPr) ₂	..
CF ₂ Cl	CN	NH ₂	NC(O)C(O)H	..
CF ₂ Cl	CN	NH ₂	NC(O)C(O)Me	..
CF ₂ Cl	CN	NH ₂	NC(O)C(O)OMe	..
CF ₂ Cl	CN	NH ₂	NC(O)C(O)OEt	..
CF ₂ Cl	CN	NH ₂	NC(O)C(O)NH ₂	..
CF ₂ Cl	CN	NH ₂	NC(O)C(O)OH	..
CF ₂ Cl	CN	NH ₂	NC(NH)NH ₂	..
CF ₂ Cl	CN	NH ₂	NC(NOH)NH ₂	..
CF ₂ Cl	CN	NH ₂	NC(NH)NHMe	..
CF ₂ Cl	CN	NH ₂	NC(NH)NMe ₂	..
CF ₂ Cl	CN	NH ₂	NC(NH)OMe	..
CF ₂ Cl	CN	NH ₂	NC(NH)OEt	..
CF ₂ Cl	CN	NHMe	NCOMe	..
CF ₂ Cl	CN	NHMe	NCOEt	..
CF ₂ Cl	CN	NHMe	NCOPr	..
CF ₂ Cl	CN	NHMe	NCHO	..
CF ₂ Cl	CN	NHMe	NCOiPr	..
CF ₂ Cl	CN	NHMe	NCOtBu	..
CF ₂ Cl	CN	NHMe	NCOPh	..
CF ₂ Cl	CN	NHMe	NSO ₂ Me	..
CF ₂ Cl	CN	NHMe	NSO ₂ Et	..
CF ₂ Cl	CN	NHMe	NSO ₂ Pr	..
CF ₂ Cl	CN	NHMe	NSO ₂ Ph	..

CF ₂ Cl	CN	NHMe	NSO ₂ iPr	..
CF ₂ Cl	CN	NHMe	NNO ₂	..
CF ₂ Cl	CN	NHMe	NCOOMe	..
CF ₂ Cl	CN	NHMe	NCOOEt	..
CF ₂ Cl	CN	NHMe	NCOOPr	..
CF ₂ Cl	CN	NHMe	NCOOiPr	..
CF ₂ Cl	CN	NHMe	NCONHEt	..
CF ₂ Cl	CN	NHMe	NCONHPr	..
CF ₂ Cl	CN	NHMe	NCONH ₂	..
CF ₂ Cl	CN	NHMe	NCONHMe	..
CF ₂ Cl	CN	NHMe	NCN	..
CF ₂ Cl	CN	NHMe	NCOSMe	..
CF ₂ Cl	CN	NHMe	NCOSEt	..
CF ₂ Cl	CN	NHMe	NCSOMe	..
CF ₂ Cl	CN	NHMe	NCSOEt	..
CF ₂ Cl	CN	NHMe	NCSOPr	..
CF ₂ Cl	CN	NHMe	NSO ₂ NH ₂	..
CF ₂ Cl	CN	NHMe	NSO ₂ NHMe	..
CF ₂ Cl	CN	NHMe	NSO ₂ NMe ₂	..
CF ₂ Cl	CN	NHMe	NP(O)(OMe) ₂	..
CF ₂ Cl	CN	NHMe	NP(O)(OEt) ₂	..
CF ₂ Cl	CN	NHMe	NP(O)Me ₂	..
CF ₂ Cl	CN	NHMe	NP(O)Et ₂	..
CF ₂ Cl	CN	NHMe	NP(O)Me(OMe)	..
CF ₂ Cl	CN	NHMe	NP(O)(OPr) ₂	..
CF ₂ Cl	CN	NHMe	NC(O)C(O)H	..
CF ₂ Cl	CN	NHMe	NC(O)C(O)Me	..
CF ₂ Cl	CN	NHMe	NC(O)C(O)OMe	..

CF ₂ Cl	CN	NHMe	NC(O)C(O)OEt	..
CF ₂ Cl	CN	NHMe	NC(O)C(O)NH ₂	..
CF ₂ Cl	CN	NHMe	NC(O)C(O)OH	..
CF ₂ Cl	CN	NHMe	NC(NH)NH ₂	..
CF ₂ Cl	CN	NHMe	NC(NOH)NH ₂	..
CF ₂ Cl	CN	NHMe	NC(NH)NHMe	..
CF ₂ Cl	CN	NHMe	NC(NH)NMe ₂	..
CF ₂ Cl	CN	NHMe	NC(NH)OMe	..
CF ₂ Cl	CN	NHMe	NC(NH)OEt	..
CF ₂ Cl	CN	NHEt	NCOMe	..
CF ₂ Cl	CN	NHEt	NCOEt	..
CF ₂ Cl	CN	NHEt	NCOPr	..
CF ₂ Cl	CN	NHEt	NCHO	..
CF ₂ Cl	CN	NHEt	NCOiPr	..
CF ₂ Cl	CN	NHEt	NCOtBu	..
CF ₂ Cl	CN	NHEt	NCOPh	..
CF ₂ Cl	CN	NHEt	NSO ₂ Me	..
CF ₂ Cl	CN	NHEt	NSO ₂ Et	..
CF ₂ Cl	CN	NHEt	NSO ₂ Pr	..
CF ₂ Cl	CN	NHEt	NSO ₂ Ph	..
CF ₂ Cl	CN	NHEt	NSO ₂ iPr	..
CF ₂ Cl	CN	NHEt	NNO ₂	..
CF ₂ Cl	CN	NHEt	NCOOMe	..
CF ₂ Cl	CN	NHEt	NCOOEt	..
CF ₂ Cl	CN	NHEt	NCOOPr	..
CF ₂ Cl	CN	NHEt	NCOOiPr	..
CF ₂ Cl	CN	NHEt	NCONHEt	..
CF ₂ Cl	CN	NHEt	NCONHPr	..

100

CF ₂ Cl	CN	NHEt	NCONH ₂	..
CF ₂ Cl	CN	NHEt	NCONHMe	..
CF ₂ Cl	CN	NHEt	NCN	..
CF ₂ Cl	CN	NHEt	NCOSMe	..
CF ₂ Cl	CN	NHEt	NCOSEt	..
CF ₂ Cl	CN	NHEt	NCSOMe	..
CF ₂ Cl	CN	NHEt	NCSOEt	..
CF ₂ Cl	CN	NHEt	NCSOPr	..
CF ₂ Cl	CN	NHEt	NSO ₂ NH ₂	..
CF ₂ Cl	CN	NHEt	NSO ₂ NHMe	..
CF ₂ Cl	CN	NHEt	NSO ₂ NMe ₂	..
CF ₂ Cl	CN	NHEt	NP(O)(OMe) ₂	..
CF ₂ Cl	CN	NHEt	NP(O)(OEt) ₂	..
CF ₂ Cl	CN	NHEt	NP(O)Me ₂	..
CF ₂ Cl	CN	NHEt	NP(O)Et ₂	..
CF ₂ Cl	CN	NHEt	NP(O)Me(OMe)	..
CF ₂ Cl	CN	NHEt	NP(O)(OPr) ₂	..
CF ₂ Cl	CN	NHEt	NC(O)C(O)H	..
CF ₂ Cl	CN	NHEt	NC(O)C(O)Me	..
CF ₂ Cl	CN	NHEt	NC(O)C(O)OMe	..
CF ₂ Cl	CN	NHEt	NC(O)C(O)OEt	..
CF ₂ Cl	CN	NHEt	NC(O)C(O)NH ₂	..
CF ₂ Cl	CN	NHEt	NC(O)C(O)OH	..
CF ₂ Cl	CN	NHEt	NC(NH)NH ₂	..
CF ₂ Cl	CN	NHEt	NC(NOH)NH ₂	..
CF ₂ Cl	CN	NHEt	NC(NH)NHMe	..
CF ₂ Cl	CN	NHEt	NC(NH)NMe ₂	..
CF ₂ Cl	CN	NHEt	NC(NH)OMe	..

101

CF ₂ Cl	CN	NHEt	NC(NH)OEt	
CF ₂ Cl	CN	NH ₂	NH	O
CF ₂ Cl	CN	NH ₂	NCOMe	O
CF ₂ Cl	CN	NH ₂	NCOEt	O
CF ₂ Cl	CN	NH ₂	NCOPr	O
CF ₂ Cl	CN	NH ₂	NCHO	O
CF ₂ Cl	CN	NH ₂	NCOiPr	O
CF ₂ Cl	CN	NH ₂	NCOtBu	O
CF ₂ Cl	CN	NH ₂	NCOPh	O
CF ₂ Cl	CN	NH ₂	NSO ₂ Me	O
CF ₂ Cl	CN	NH ₂	NSO ₂ Et	O
CF ₂ Cl	CN	NH ₂	NSO ₂ Pr	O
CF ₂ Cl	CN	NH ₂	NSO ₂ Ph	O
CF ₂ Cl	CN	NH ₂	NSO ₂ iPr	O
CF ₂ Cl	CN	NH ₂	NNO ₂	O
CF ₂ Cl	CN	NH ₂	NCOOMe	O
CF ₂ Cl	CN	NH ₂	NCOOEt	O
CF ₂ Cl	CN	NH ₂	NCOOPr	O
CF ₂ Cl	CN	NH ₂	NCOOiPr	O
CF ₂ Cl	CN	NH ₂	NCONHEt	O
CF ₂ Cl	CN	NH ₂	NCONHPr	O
CF ₂ Cl	CN	NH ₂	NCONH ₂	O
CF ₂ Cl	CN	NH ₂	NCONHMe	O
CF ₂ Cl	CN	NH ₂	NCN	O
CF ₂ Cl	CN	NH ₂	NCOSMe	O
CF ₂ Cl	CN	NH ₂	NCOSEt	O
CF ₂ Cl	CN	NH ₂	NCSOMe	O
CF ₂ Cl	CN	NH ₂	NCSOEt	O

102

CF ₂ Cl	CN	NH ₂	NCSOPr	O
CF ₂ Cl	CN	NH ₂	NSO ₂ NH ₂	O
CF ₂ Cl	CN	NH ₂	NSO ₂ NHMe	O
CF ₂ Cl	CN	NH ₂	NSO ₂ NMe ₂	O
CF ₂ Cl	CN	NH ₂	NP(O)(OMe) ₂	O
CF ₂ Cl	CN	NH ₂	NP(O)(OEt) ₂	O
CF ₂ Cl	CN	NH ₂	NP(O)Me ₂	O
CF ₂ Cl	CN	NH ₂	NP(O)Et ₂	O
CF ₂ Cl	CN	NH ₂	NP(O)Me(OMe)	O
CF ₂ Cl	CN	NH ₂	NP(O)(OPr) ₂	O
CF ₂ Cl	CN	NH ₂	NC(O)C(O)H	O
CF ₂ Cl	CN	NH ₂	NC(O)C(O)Me	O
CF ₂ Cl	CN	NH ₂	NC(O)C(O)OMe	O
CF ₂ Cl	CN	NH ₂	NC(O)C(O)OEt	O
CF ₂ Cl	CN	NH ₂	NC(O)C(O)NH ₂	O
CF ₂ Cl	CN	NH ₂	NC(O)C(O)OH	O
CF ₂ Cl	CN	NH ₂	NC(NH)NH ₂	O
CF ₂ Cl	CN	NH ₂	NC(NOH)NH ₂	O
CF ₂ Cl	CN	NH ₂	NC(NH)NHMe	O
CF ₂ Cl	CN	NH ₂	NC(NH)NMe ₂	O
CF ₂ Cl	CN	NH ₂	NC(NH)OMe	O
CF ₂ Cl	CN	NH ₂	NC(NH)OEt	O
CF ₂ Cl	CN	NHMe	NCOMe	O
CF ₂ Cl	CN	NHMe	NCOEt	O
CF ₂ Cl	CN	NHMe	NCOPr	O
CF ₂ Cl	CN	NHMe	NCHO	O
CF ₂ Cl	CN	NHMe	NCOiPr	O
CF ₂ Cl	CN	NHMe	NCOtBu	O

103

CF ₂ Cl	CN	NHMe	NCOPh	O
CF ₂ Cl	CN	NHMe	NSO ₂ Me	O
CF ₂ Cl	CN	NHMe	NSO ₂ Et	O
CF ₂ Cl	CN	NHMe	NSO ₂ Pr	O
CF ₂ Cl	CN	NHMe	NSO ₂ Ph	O
CF ₂ Cl	CN	NHMe	NSO ₂ iPr	O
CF ₂ Cl	CN	NHMe	NNO ₂	O
CF ₂ Cl	CN	NHMe	NCOOMe	O
CF ₂ Cl	CN	NHMe	NCOOEt	O
CF ₂ Cl	CN	NHMe	NCOOPr	O
CF ₂ Cl	CN	NHMe	NCOOiPr	O
CF ₂ Cl	CN	NHMe	NCONHEt	O
CF ₂ Cl	CN	NHMe	NCONHPr	O
CF ₂ Cl	CN	NHMe	NCONH ₂	O
CF ₂ Cl	CN	NHMe	NCONHMe	O
CF ₂ Cl	CN	NHMe	NCN	O
CF ₂ Cl	CN	NHMe	NCOSMe	O
CF ₂ Cl	CN	NHMe	NCOSEt	O
CF ₂ Cl	CN	NHMe	NCSOMe	O
CF ₂ Cl	CN	NHMe	NCSOEt	O
CF ₂ Cl	CN	NHMe	NCSOPr	O
CF ₂ Cl	CN	NHMe	NSO ₂ NH ₂	O
CF ₂ Cl	CN	NHMe	NSO ₂ NHMe	O
CF ₂ Cl	CN	NHMe	NSO ₂ NMe ₂	O
CF ₂ Cl	CN	NHMe	NP(O)(OMe) ₂	O
CF ₂ Cl	CN	NHMe	NP(O)(OEt) ₂	O
CF ₂ Cl	CN	NHMe	NP(O)Me ₂	O
CF ₂ Cl	CN	NHMe	NP(O)Et ₂	O

104

CF ₂ Cl	CN	NHMe	NP(O)Me(OMe)	O
CF ₂ Cl	CN	NHMe	NP(O)(OPr) ₂	O
CF ₂ Cl	CN	NHMe	NC(O)C(O)H	O
CF ₂ Cl	CN	NHMe	NC(O)C(O)Me	O
CF ₂ Cl	CN	NHMe	NC(O)C(O)OMe	O
CF ₂ Cl	CN	NHMe	NC(O)C(O)OEt	O
CF ₂ Cl	CN	NHMe	NC(O)C(O)NH ₂	O
CF ₂ Cl	CN	NHMe	NC(O)C(O)OH	O
CF ₂ Cl	CN	NHMe	NC(NH)NH ₂	O
CF ₂ Cl	CN	NHMe	NC(NOH)NH ₂	O
CF ₂ Cl	CN	NHMe	NC(NH)NHMe	O
CF ₂ Cl	CN	NHMe	NC(NH)NMe ₂	O
CF ₂ Cl	CN	NHMe	NC(NH)OMe	O
CF ₂ Cl	CN	NHMe	NC(NH)OEt	O
CF ₂ Cl	CN	NHEt	NCOMe	O
CF ₂ Cl	CN	NHEt	NCOEt	O
CF ₂ Cl	CN	NHEt	NCOPr	O
CF ₂ Cl	CN	NHEt	NCHO	O
CF ₂ Cl	CN	NHEt	NCOiPr	O
CF ₂ Cl	CN	NHEt	NCOtBu	O
CF ₂ Cl	CN	NHEt	NCOPh	O
CF ₂ Cl	CN	NHEt	NSO ₂ Me	O
CF ₂ Cl	CN	NHEt	NSO ₂ Et	O
CF ₂ Cl	CN	NHEt	NSO ₂ Pr	O
CF ₂ Cl	CN	NHEt	NSO ₂ Ph	O
CF ₂ Cl	CN	NHEt	NSO ₂ iPr	O
CF ₂ Cl	CN	NHEt	NNO ₂	O
CF ₂ Cl	CN	NHEt	NCOOMe	O

105

CF ₂ Cl	CN	NHEt	NCOOEt	O
CF ₂ Cl	CN	NHEt	NCOOPr	O
CF ₂ Cl	CN	NHEt	NCOOiPr	O
CF ₂ Cl	CN	NHEt	NCONHEt	O
CF ₂ Cl	CN	NHEt	NCONHPr	O
CF ₂ Cl	CN	NHEt	NCONH ₂	O
CF ₂ Cl	CN	NHEt	NCONHMe	O
CF ₂ Cl	CN	NHEt	NCN	O
CF ₂ Cl	CN	NHEt	NCOSMe	O
CF ₂ Cl	CN	NHEt	NCOSMe	O
CF ₂ Cl	CN	NHEt	NCSOMe	O
CF ₂ Cl	CN	NHEt	NCSOEt	O
CF ₂ Cl	CN	NHEt	NCSOPr	O
CF ₂ Cl	CN	NHEt	NSO ₂ NH ₂	O
CF ₂ Cl	CN	NHEt	NSO ₂ NHMe	O
CF ₂ Cl	CN	NHEt	NSO ₂ NMe ₂	O
CF ₂ Cl	CN	NHEt	NP(O)(OMe) ₂	O
CF ₂ Cl	CN	NHEt	NP(O)(OEt) ₂	O
CF ₂ Cl	CN	NHEt	NP(O)Me ₂	O
CF ₂ Cl	CN	NHEt	NP(O)Et ₂	O
CF ₂ Cl	CN	NHEt	NP(O)Me(OMe)	O
CF ₂ Cl	CN	NHEt	NP(O)(OPr) ₂	O
CF ₂ Cl	CN	NHEt	NC(O)C(O)H	O
CF ₂ Cl	CN	NHEt	NC(O)C(O)Me	O
CF ₂ Cl	CN	NHEt	NC(O)C(O)OMe	O
CF ₂ Cl	CN	NHEt	NC(O)C(O)OEt	O
CF ₂ Cl	CN	NHEt	NC(O)C(O)NH ₂	O
CF ₂ Cl	CN	NHEt	NC(O)C(O)OH	O

106

CF ₂ Cl	CN	NHEt	NC(NH)NH ₂	O
CF ₂ Cl	CN	NHEt	NC(NO ₂)NH ₂	O
CF ₂ Cl	CN	NHEt	NC(NH)NHMe	O
CF ₂ Cl	CN	NHEt	NC(NH)NMe ₂	O
CF ₂ Cl	CN	NHEt	NC(NH)OMe	O
CF ₂ Cl	CN	NHEt	NC(NH)OEt	O
CF ₃	CN	H	NCOMe	..
CF ₃	CN	H	NCOEt	..
CF ₃	CN	H	NCOPr	..
CF ₃	CN	H	NCHO	..
CF ₃	CN	H	NCOiPr	..
CF ₃	CN	H	NCOtBu	..
CF ₃	CN	H	NCOPh	..
CF ₃	CN	H	NSO ₂ Me	..
CF ₃	CN	H	NSO ₂ Et	..
CF ₃	CN	H	NSO ₂ Pr	..
CF ₃	CN	H	NSO ₂ Ph	..
CF ₃	CN	H	NSO ₂ iPr	..
CF ₃	CN	H	NNO ₂	..
CF ₃	CN	H	NCOOMe	..
CF ₃	CN	H	NCOOEt	..
CF ₃	CN	H	NCOOPr	..
CF ₃	CN	H	NCOOiPr	..
CF ₃	CN	H	NCONHEt	..
CF ₃	CN	H	NCONHPr	..
CF ₃	CN	H	NCONH ₂	..
CF ₃	CN	H	NCONHMe	..
CF ₃	CN	H	NCN	..

107

CF ₃	CN	H	NCOSMe	..
CF ₃	CN	H	NCOSEt	..
CF ₃	CN	H	NCSOMe	..
CF ₃	CN	H	NCSOEt	..
CF ₃	CN	H	NCSOPr	..
CF ₃	CN	H	NSO ₂ NH ₂	..
CF ₃	CN	H	NSO ₂ NHMe	..
CF ₃	CN	H	NSO ₂ NMe ₂	..
CF ₃	CN	H	NP(O)(OMe) ₂	..
CF ₃	CN	H	NP(O)(OEt) ₂	..
CF ₃	CN	H	NP(O)Me ₂	..
CF ₃	CN	H	NP(O)Et ₂	..
CF ₃	CN	H	NP(O)Me(OMe)	..
CF ₃	CN	H	NP(O)(OPr) ₂	..
CF ₃	CN	H	NC(O)C(O)H	..
CF ₃	CN	H	NC(O)C(O)Me	..
CF ₃	CN	H	NC(O)C(O)OMe	..
CF ₃	CN	H	NC(O)C(O)OEt	..
CF ₃	CN	H	NC(O)C(O)NH ₂	..
CF ₃	CN	H	NC(O)C(O)OH	..
CF ₃	CN	H	NC(NH)NH ₂	..
CF ₃	CN	H	NC(NOH)NH ₂	..
CF ₃	CN	H	NC(NH)NHMe	..
CF ₃	CN	H	NC(NH)NMe ₂	..
CF ₃	CN	H	NC(NH)OMe	..
CF ₃	CN	H	NC(NH)OEt	..
CF ₃	CN	H	NH	O
CF ₃	CN	H	NCOMe	O

108

CF ₃	CN	H	NCOEt	O
CF ₃	CN	H	NCOPr	O
CF ₃	CN	H	NCHO	O
CF ₃	CN	H	NCOiPr	O
CF ₃	CN	H	NCOtBu	O
CF ₃	CN	H	NCOPh	O
CF ₃	CN	H	NSO ₂ Me	O
CF ₃	CN	H	NSO ₂ Et	O
CF ₃	CN	H	NSO ₂ Pr	O
CF ₃	CN	H	NSO ₂ Ph	O
CF ₃	CN	H	NSO ₂ iPr	O
CF ₃	CN	H	NNO ₂	O
CF ₃	CN	H	NCOOMe	O
CF ₃	CN	H	NCOOEt	O
CF ₃	CN	H	NCOOPr	O
CF ₃	CN	H	NCOOiPr	O
CF ₃	CN	H	NCONHEt	O
CF ₃	CN	H	NCONHPr	O
CF ₃	CN	H	NCONH ₂	O
CF ₃	CN	H	NCONHMe	O
CF ₃	CN	H	NCN	O
CF ₃	CN	H	NCOSMe	O
CF ₃	CN	H	NCOSEt	O
CF ₃	CN	H	NCSOMe	O
CF ₃	CN	H	NCSOEt	O
CF ₃	CN	H	NCSOPr	O
CF ₃	CN	H	NSO ₂ NH ₂	O
CF ₃	CN	H	NSO ₂ NHMe	O

109

CF ₃	CN	H	NSO ₂ NMe ₂	O
CF ₃	CN	H	NP(O)(OMe) ₂	O
CF ₃	CN	H	NP(O)(OEt) ₂	O
CF ₃	CN	H	NP(O)Me ₂	O
CF ₃	CN	H	NP(O)Et ₂	O
CF ₃	CN	H	NP(O)Me(OMe)	O
CF ₃	CN	H	NP(O)(OPr) ₂	O
CF ₃	CN	H	NC(O)C(O)H	O
CF ₃	CN	H	NC(O)C(O)Me	O
CF ₃	CN	H	NC(O)C(O)OMe	O
CF ₃	CN	H	NC(O)C(O)OEt	O
CF ₃	CN	H	NC(O)C(O)NH ₂	O
CF ₃	CN	H	NC(O)C(O)OH	O
CF ₃	CN	H	NC(NH)NH ₂	O
CF ₃	CN	H	NC(NO ₂)NH ₂	O
CF ₃	CN	H	NC(NH)NHMe	O
CF ₃	CN	H	NC(NH)NMe ₂	O
CF ₃	CN	H	NC(NH)OMe	O
CF ₃	CN	H	NC(NH)OEt	O
CF ₃	CN	Me	NCOMe	"
CF ₃	CN	Me	NCOEt	"
CF ₃	CN	Me	NCOPr	"
CF ₃	CN	Me	NCHO	"
CF ₃	CN	Me	NCOiPr	"
CF ₃	CN	Me	NCOtBu	"
CF ₃	CN	Me	NCOPh	"
CF ₃	CN	Me	NSO ₂ Me	"
CF ₃	CN	Me	NSO ₂ Et	"

110

CF ₃	CN	Me	NSO ₂ Pr	..
CF ₃	CN	Me	NSO ₂ Ph	..
CF ₃	CN	Me	NSO ₂ iPr	..
CF ₃	CN	Me	NNO ₂	..
CF ₃	CN	Me	NCOOMe	..
CF ₃	CN	Me	NCOOEt	..
CF ₃	CN	Me	NCOOPr	..
CF ₃	CN	Me	NCOOiPr	..
CF ₃	CN	Me	NCONHEt	..
CF ₃	CN	Me	NCONHPr	..
CF ₃	CN	Me	NCOH	..
CF ₃	CN	Me	NCONHMe	..
CF ₃	CN	Me	NCN	..
CF ₃	CN	Me	NCOSMe	..
CF ₃	CN	Me	NCOSMe	..
CF ₃	CN	Me	NCSOEt	..
CF ₃	CN	Me	NCSOPr	..
CF ₃	CN	Me	NSO ₂ H	..
CF ₃	CN	Me	NSO ₂ NHMe	..
CF ₃	CN	Me	NSO ₂ NMe ₂	..
CF ₃	CN	Me	NP(O)(OMe) ₂	..
CF ₃	CN	Me	NP(O)(OEt) ₂	..
CF ₃	CN	Me	NP(O)Me ₂	..
CF ₃	CN	Me	NP(O)Et ₂	..
CF ₃	CN	Me	NP(O)Me(OMe)	..
CF ₃	CN	Me	NP(O)(OPr) ₂	..
CF ₃	CN	Me	NC(O)C(O)H	..

111

CF ₃	CN	Me	NC(O)C(O)Me	..
CF ₃	CN	Me	NC(O)C(O)OMe	..
CF ₃	CN	Me	NC(O)C(O)OEt	..
CF ₃	CN	Me	NC(O)C(O)NH ₂	..
CF ₃	CN	Me	NC(O)C(O)OH	..
CF ₃	CN	Me	NC(NH)H	..
CF ₃	CN	Me	NC(NOH)H	..
CF ₃	CN	Me	NC(NH)NHMe	..
CF ₃	CN	Me	NC(NH)NMe ₂	..
CF ₃	CN	Me	NC(NH)OMe	..
CF ₃	CN	Me	NC(NH)OEt	..
CF ₃	CN	Me	NH	O
CF ₃	CN	Me	NCOMe	O
CF ₃	CN	Me	NCOEt	O
CF ₃	CN	Me	NCOPr	O
CF ₃	CN	Me	NCHO	O
CF ₃	CN	Me	NCOiPr	O
CF ₃	CN	Me	NCOtBu	O
CF ₃	CN	Me	NCOPh	O
CF ₃	CN	Me	NSO ₂ Me	O
CF ₃	CN	Me	NSO ₂ Et	O
CF ₃	CN	Me	NSO ₂ Pr	O
CF ₃	CN	Me	NSO ₂ Ph	O
CF ₃	CN	Me	NSO ₂ iPr	O
CF ₃	CN	Me	NNO ₂	O
CF ₃	CN	Me	NCOOMe	O
CF ₃	CN	Me	NCOOEt	O
CF ₃	CN	Me	NCOOPr	O

112

CF ₃	CN	Me	NCOOiPr	O
CF ₃	CN	Me	NCONHEt	O
CF ₃	CN	Me	NCONHPr	O
CF ₃	CN	Me	NCONH ₂	O
CF ₃	CN	Me	NCONHMe	O
CF ₃	CN	Me	NCN	O
CF ₃	CN	Me	NCOSMe	O
CF ₃	CN	Me	NCOSet	O
CF ₃	CN	Me	NCSOMe	O
CF ₃	CN	Me	NCSOEt	O
CF ₃	CN	Me	NCSOPr	O
CF ₃	CN	Me	NSO ₂ NH ₂	O
CF ₃	CN	Me	NSO ₂ NHMe	O
CF ₃	CN	Me	NSO ₂ NMe ₂	O
CF ₃	CN	Me	NP(O)(OMe) ₂	O
CF ₃	CN	Me	NP(O)(OEt) ₂	O
CF ₃	CN	Me	NP(O)Me ₂	O
CF ₃	CN	Me	NP(O)Et ₂	O
CF ₃	CN	Me	NP(O)Me(OMe)	O
CF ₃	CN	Me	NP(O)(OPr) ₂	O
CF ₃	CN	Me	NC(O)C(O)H	O
CF ₃	CN	Me	NC(O)C(O)Me	O
CF ₃	CN	Me	NC(O)C(O)OMe	O
CF ₃	CN	Me	NC(O)C(O)OEt	O
CF ₃	CN	Me	NC(O)C(O)NH ₂	O
CF ₃	CN	Me	NC(O)C(O)OH	O
CF ₃	CN	Me	NC(NH)NH ₂	O
CF ₃	CN	Me	NC(NOH)NH ₂	O

CF ₃	CN	Me	NC(NH)NHMe	O
CF ₃	CN	Me	NC(NH)NMe ₂	O
CF ₃	CN	Me	NC(NH)OMe	O
CF ₃	CN	Me	NC(NH)OEt	O
CF ₃	CN	Cl	NCOMe	"
CF ₃	CN	Cl	NCOEt	"
CF ₃	CN	Cl	NCOPr	"
CF ₃	CN	Cl	NCHO	"
CF ₃	CN	Cl	NCOiPr	"
CF ₃	CN	Cl	NCOtBu	"
CF ₃	CN	Cl	NCOPh	"
CF ₃	CN	Cl	NSO ₂ Me	"
CF ₃	CN	Cl	NSO ₂ Et	"
CF ₃	CN	Cl	NSO ₂ Pr	"
CF ₃	CN	Cl	NSO ₂ Ph	"
CF ₃	CN	Cl	NSO ₂ iPr	"
CF ₃	CN	Cl	NNO ₂	"
CF ₃	CN	Cl	NCOOMe	"
CF ₃	CN	Cl	NCOOEt	"
CF ₃	CN	Cl	NCOOPr	"
CF ₃	CN	Cl	NCOOiPr	"
CF ₃	CN	Cl	NCONHEt	"
CF ₃	CN	Cl	NCONHPr	"
CF ₃	CN	Cl	NCOH	"
CF ₃	CN	Cl	NCONHMe	"
CF ₃	CN	Cl	NCN	"
CF ₃	CN	Cl	NCOSMe	"
CF ₃	CN	Cl	NCOSEt	"

114

CF ₃	CN	Cl	NCSOMe	..
CF ₃	CN	Cl	NCSOEt	..
CF ₃	CN	Cl	NCSOPr	..
CF ₃	CN	Cl	NSO ₂ H	..
CF ₃	CN	Cl	NSO ₂ NHMe	..
CF ₃	CN	Cl	NSO ₂ NMe ₂	..
CF ₃	CN	Cl	NP(O)(OMe) ₂	..
CF ₃	CN	Cl	NP(O)(OEt) ₂	..
CF ₃	CN	Cl	NP(O)Me ₂	..
CF ₃	CN	Cl	NP(O)Et ₂	..
CF ₃	CN	Cl	NP(O)Me(OMe)	..
CF ₃	CN	Cl	NP(O)(OPr) ₂	..
CF ₃	CN	Cl	NC(O)C(O)H	..
CF ₃	CN	Cl	NC(O)C(O)Me	..
CF ₃	CN	Cl	NC(O)C(O)OMe	..
CF ₃	CN	Cl	NC(O)C(O)OEt	..
CF ₃	CN	Cl	NC(O)C(O)NH ₂	..
CF ₃	CN	Cl	NC(O)C(O)OH	..
CF ₃	CN	Cl	NC(NH)H	..
CF ₃	CN	Cl	NC(NOH)H	..
CF ₃	CN	Cl	NC(NH)NHMe	..
CF ₃	CN	Cl	NC(NH)NMe ₂	..
CF ₃	CN	Cl	NC(NH)OMe	..
CF ₃	CN	Cl	NC(NH)OEt	..
CF ₃	CN	Cl	NCOMe	O
CF ₃	CN	Cl	NCOEt	O
CF ₃	CN	Cl	NCOPr	O
CF ₃	CN	Cl	NCHO	O

115

CF ₃	CN	Cl	NCOiPr	O
CF ₃	CN	Cl	NCOtBu	O
CF ₃	CN	Cl	NCOPh	O
CF ₃	CN	Cl	NSO ₂ Me	O
CF ₃	CN	Cl	NSO ₂ Et	O
CF ₃	CN	Cl	NSO ₂ Pr	O
CF ₃	CN	Cl	NSO ₂ Ph	O
CF ₃	CN	Cl	NSO ₂ iPr	O
CF ₃	CN	Cl	NNO ₂	O
CF ₃	CN	Cl	NCOOMe	O
CF ₃	CN	Cl	NCOOEt	O
CF ₃	CN	Cl	NCOOPr	O
CF ₃	CN	Cl	NCOOiPr	O
CF ₃	CN	Cl	NCONHEt	O
CF ₃	CN	Cl	NCONHPr	O
CF ₃	CN	Cl	NCONH ₂	O
CF ₃	CN	Cl	NCONHMe	O
CF ₃	CN	Cl	NCN	O
CF ₃	CN	Cl	NCOSMe	O
CF ₃	CN	Cl	NCOSEt	O
CF ₃	CN	Cl	NCSOMe	O
CF ₃	CN	Cl	NCSOEt	O
CF ₃	CN	Cl	NCSOPr	O
CF ₃	CN	Cl	NSO ₂ NH ₂	O
CF ₃	CN	Cl	NSO ₂ NHMe	O
CF ₃	CN	Cl	NSO ₂ NMe ₂	O
CF ₃	CN	Cl	NP(O)(OMe) ₂	O
CF ₃	CN	Cl	NP(O)(OEt) ₂	O

116

CF ₃	CN	Cl	NP(O)Me ₂	O
CF ₃	CN	Cl	NP(O)Et ₂	O
CF ₃	CN	Cl	NP(O)Me(OMe)	O
CF ₃	CN	Cl	NP(O)(OPr) ₂	O
CF ₃	CN	Cl	NC(O)C(O)H	O
CF ₃	CN	Cl	NC(O)C(O)Me	O
CF ₃	CN	Cl	NC(O)C(O)OMe	O
CF ₃	CN	Cl	NC(O)C(O)OEt	O
CF ₃	CN	Cl	NC(O)C(O)NH ₂	O
CF ₃	CN	Cl	NC(O)C(O)OH	O
CF ₃	CN	Cl	NC(NH)NH ₂	O
CF ₃	CN	Cl	NC(NOH)NH ₂	O
CF ₃	CN	Cl	NC(NH)NHMe	O
CF ₃	CN	Cl	NC(NH)NMe ₂	O
CF ₃	CN	Cl	NC(NH)OMe	O
CF ₃	CN	Cl	NC(NH)OEt	O
CF ₃	CN	SMe	NCOMe	"
CF ₃	CN	SMe	NCOEt	"
CF ₃	CN	SMe	NCOPr	"
CF ₃	CN	SMe	NCHO	"
CF ₃	CN	SMe	NCOiPr	"
CF ₃	CN	SMe	NCOtBu	"
CF ₃	CN	SMe	NCOPh	"
CF ₃	CN	SMe	NSO ₂ Me	"
CF ₃	CN	SMe	NSO ₂ Et	"
CF ₃	CN	SMe	NSO ₂ Pr	"
CF ₃	CN	SMe	NSO ₂ Ph	"
CF ₃	CN	SMe	NSO ₂ iPr	"

117

CF ₃	CN	SMe	NNO ₂	..
CF ₃	CN	SMe	NCOOMe	..
CF ₃	CN	SMe	NCOOEt	..
CF ₃	CN	SMe	NCOOPr	..
CF ₃	CN	SMe	NCOOiPr	..
CF ₃	CN	SMe	NCONHEt	..
CF ₃	CN	SMe	NCONHPr	..
CF ₃	CN	SMe	NCOH	..
CF ₃	CN	SMe	NCONHMe	..
CF ₃	CN	SMe	NCN	..
CF ₃	CN	SMe	NCOSMe	..
CF ₃	CN	SMe	NCOSMe	..
CF ₃	CN	SMe	NCSOEt	..
CF ₃	CN	SMe	NCSOEt	..
CF ₃	CN	SMe	NCSOPr	..
CF ₃	CN	SMe	NSO ₂ H	..
CF ₃	CN	SMe	NSO ₂ NHMe	..
CF ₃	CN	SMe	NSO ₂ NMe ₂	..
CF ₃	CN	SMe	NP(O)(OMe) ₂	..
CF ₃	CN	SMe	NP(O)(OEt) ₂	..
CF ₃	CN	SMe	NP(O)Me ₂	..
CF ₃	CN	SMe	NP(O)Et ₂	..
CF ₃	CN	SMe	NP(O)Me(OMe)	..
CF ₃	CN	SMe	NP(O)(OPr) ₂	..
CF ₃	CN	SMe	NC(O)C(O)H	..
CF ₃	CN	SMe	NC(O)C(O)Me	..
CF ₃	CN	SMe	NC(O)C(O)OMe	..
CF ₃	CN	SMe	NC(O)C(O)OEt	..

CF ₃	CN	SMe	NC(O)C(O)NH ₂	"
CF ₃	CN	SMe	NC(O)C(O)OH	"
CF ₃	CN	SMe	NC(NH)H	"
CF ₃	CN	SMe	NC(NOH)H	"
CF ₃	CN	SMe	NC(NH)NHMe	"
CF ₃	CN	SMe	NC(NH)NMe ₂	"
CF ₃	CN	SMe	NC(NH)OMe	"
CF ₃	CN	SMe	NC(NH)OEt	"
CF ₃	H	NH ₂	NCOMe	"
CF ₃	H	NH ₂	NCOEt	"
CF ₃	H	NH ₂	NCOPr	"
CF ₃	H	NH ₂	NCHO	"
CF ₃	H	NH ₂	NCOiPr	"
CF ₃	H	NH ₂	NCOtBu	"
CF ₃	H	NH ₂	NCOPh	"
CF ₃	H	NH ₂	NSO ₂ Me	"
CF ₃	H	NH ₂	NSO ₂ Et	"
CF ₃	H	NH ₂	NSO ₂ Pr	"
CF ₃	H	NH ₂	NSO ₂ Ph	"
CF ₃	H	NH ₂	NSO ₂ iPr	"
CF ₃	H	NH ₂	NNO ₂	"
CF ₃	H	NH ₂	NCOOMe	"
CF ₃	H	NH ₂	NCOOEt	"
CF ₃	H	NH ₂	NCOOPr	"
CF ₃	H	NH ₂	NCOOiPr	"
CF ₃	H	NH ₂	NCONHEt	"
CF ₃	H	NH ₂	NCONHPr	"
CF ₃	H	NH ₂	NCOH	"

119

CF ₃	H	NH ₂	NCONHMe	..
CF ₃	H	NH ₂	NCN	..
CF ₃	H	NH ₂	NCOSMe	..
CF ₃	H	NH ₂	NCOSEt	..
CF ₃	H	NH ₂	NCSOMe	..
CF ₃	H	NH ₂	NCSOEt	..
CF ₃	H	NH ₂	NCSOPr	..
CF ₃	H	NH ₂	NSO ₂ H	..
CF ₃	H	NH ₂	NSO ₂ NHMe	..
CF ₃	H	NH ₂	NSO ₂ NMe ₂	..
CF ₃	H	NH ₂	NP(O)(OMe) ₂	..
CF ₃	H	NH ₂	NP(O)(OEt) ₂	..
CF ₃	H	NH ₂	NP(O)Me ₂	..
CF ₃	H	NH ₂	NP(O)Et ₂	..
CF ₃	H	NH ₂	NP(O)Me(OMe)	..
CF ₃	H	NH ₂	NP(O)(OPr) ₂	..
CF ₃	H	NH ₂	NC(O)C(O)H	..
CF ₃	H	NH ₂	NC(O)C(O)Me	..
CF ₃	H	NH ₂	NC(O)C(O)OMe	..
CF ₃	H	NH ₂	NC(O)C(O)OEt	..
CF ₃	H	NH ₂	NC(O)C(O)NH ₂	..
CF ₃	H	NH ₂	NC(O)C(O)OH	..
CF ₃	H	NH ₂	NC(NH)H	..
CF ₃	H	NH ₂	NC(NOH)H	..
CF ₃	H	NH ₂	NC(NH)NHMe	..
CF ₃	H	NH ₂	NC(NH)NMe ₂	..
CF ₃	H	NH ₂	NC(NH)OMe	..
CF ₃	H	NH ₂	NC(NH)OEt	..

120

CF ₃	Me	NH ₂	NCOMe	..
CF ₃	Me	NH ₂	NCOEt	..
CF ₃	Me	NH ₂	NCOPr	..
CF ₃	Me	NH ₂	NCHO	..
CF ₃	Me	NH ₂	NCOiPr	..
CF ₃	Me	NH ₂	NCOtBu	..
CF ₃	Me	NH ₂	NCOPh	..
CF ₃	Me	NH ₂	NSO ₂ Me	..
CF ₃	Me	NH ₂	NSO ₂ Et	..
CF ₃	Me	NH ₂	NSO ₂ Pr	..
CF ₃	Me	NH ₂	NSO ₂ Ph	..
CF ₃	Me	NH ₂	NSO ₂ iPr	..
CF ₃	Me	NH ₂	NNO ₂	..
CF ₃	Me	NH ₂	NCOOMe	..
CF ₃	Me	NH ₂	NCOOEt	..
CF ₃	Me	NH ₂	NCOOPr	..
CF ₃	Me	NH ₂	NCOOiPr	..
CF ₃	Me	NH ₂	NCONHEt	..
CF ₃	Me	NH ₂	NCONHPr	..
CF ₃	Me	NH ₂	NCOH	..
CF ₃	Me	NH ₂	NCONHMe	..
CF ₃	Me	NH ₂	NCN	..
CF ₃	Me	NH ₂	NCOSMe	..
CF ₃	Me	NH ₂	NCOSMe	..
CF ₃	Me	NH ₂	NCSEt	..
CF ₃	Me	NH ₂	NCSOMe	..
CF ₃	Me	NH ₂	NCSOEt	..
CF ₃	Me	NH ₂	NCSOPr	..
CF ₃	Me	NH ₂	NSO ₂ H	..

121

CF ₃	Me	NH ₂	NSO ₂ NHMe	..
CF ₃	Me	NH ₂	NSO ₂ NMe ₂	..
CF ₃	Me	NH ₂	NP(O)(OMe) ₂	..
CF ₃	Me	NH ₂	NP(O)(OEt) ₂	..
CF ₃	Me	NH ₂	NP(O)Me ₂	..
CF ₃	Me	NH ₂	NP(O)Et ₂	..
CF ₃	Me	NH ₂	NP(O)Me(OMe)	..
CF ₃	Me	NH ₂	NP(O)(OPr) ₂	..
CF ₃	Me	NH ₂	NC(O)C(O)H	..
CF ₃	Me	NH ₂	NC(O)C(O)Me	..
CF ₃	Me	NH ₂	NC(O)C(O)OMe	..
CF ₃	Me	NH ₂	NC(O)C(O)OEt	..
CF ₃	Me	NH ₂	NC(O)C(O)NH ₂	..
CF ₃	Me	NH ₂	NC(O)C(O)OH	..
CF ₃	Me	NH ₂	NC(NH)H	..
CF ₃	Me	NH ₂	NC(NOH)H	..
CF ₃	Me	NH ₂	NC(NH)NHMe	..
CF ₃	Me	NH ₂	NC(NH)NMe ₂	..
CF ₃	Me	NH ₂	NC(NH)OMe	..
CF ₃	Me	NH ₂	NC(NH)OEt	..
CF ₃	H	H	NCOMe	..
CF ₃	H	H	NCOEt	..
CF ₃	H	H	NCOPr	..
CF ₃	H	H	NCHO	..
CF ₃	H	H	NCOiPr	..
CF ₃	H	H	NCOtBu	..
CF ₃	H	H	NCOPh	..
CF ₃	H	H	NSO ₂ Me	..

122

CF ₃	H	H	NSO ₂ Et	..
CF ₃	H	H	NSO ₂ Pr	..
CF ₃	H	H	NSO ₂ Ph	..
CF ₃	H	H	NSO ₂ iPr	..
CF ₃	H	H	NNO ₂	..
CF ₃	H	H	NCOOMe	..
CF ₃	H	H	NCOOEt	..
CF ₃	H	H	NCOOPr	..
CF ₃	H	H	NCOOiPr	..
CF ₃	H	H	NCONHEt	..
CF ₃	H	H	NCONHPr	..
CF ₃	H	H	NCOH	..
CF ₃	H	H	NCONHMe	..
CF ₃	H	H	NCN	..
CF ₃	H	H	NCOSMe	..
CF ₃	H	H	NCOSMe	..
CF ₃	H	H	NCSOMe	..
CF ₃	H	H	NCSOEt	..
CF ₃	H	H	NCSOPr	..
CF ₃	H	H	NSO ₂ H	..
CF ₃	H	H	NSO ₂ NHMe	..
CF ₃	H	H	NSO ₂ NMe ₂	..
CF ₃	H	H	NP(O)(OMe) ₂	..
CF ₃	H	H	NP(O)(OEt) ₂	..
CF ₃	H	H	NP(O)Me ₂	..
CF ₃	H	H	NP(O)Et ₂	..
CF ₃	H	H	NP(O)Me(OMe)	..
CF ₃	H	H	NP(O)(OPr) ₂	..

123

CF ₃	H	H	NC(O)C(O)H	..
CF ₃	H	H	NC(O)C(O)Me	..
CF ₃	H	H	NC(O)C(O)OMe	..
CF ₃	H	H	NC(O)C(O)OEt	..
CF ₃	H	H	NC(O)C(O)NH ₂	..
CF ₃	H	H	NC(O)C(O)OH	..
CF ₃	H	H	NC(NH)H	..
CF ₃	H	H	NC(NOH)H	..
CF ₃	H	H	NC(NH)NHMe	..
CF ₃	H	H	NC(NH)NMe ₂	..
CF ₃	H	H	NC(NH)OMe	..
CF ₃	H	H	NC(NH)OEt	..
CF ₃	Me	H	NCOMe	..
CF ₃	Me	H	NCOEt	..
CF ₃	Me	H	NCOPr	..
CF ₃	Me	H	NCHO	..
CF ₃	Me	H	NCOiPr	..
CF ₃	Me	H	NCOtBu	..
CF ₃	Me	H	NCOPh	..
CF ₃	Me	H	NSO ₂ Me	..
CF ₃	Me	H	NSO ₂ Et	..
CF ₃	Me	H	NSO ₂ Pr	..
CF ₃	Me	H	NSO ₂ Ph	..
CF ₃	Me	H	NSO ₂ iPr	..
CF ₃	Me	H	NNO ₂	..
CF ₃	Me	H	NCOOMe	..
CF ₃	Me	H	NCOOEt	..
CF ₃	Me	H	NCOOPr	..

124

CF ₃	Me	H	NCOOiPr	..
CF ₃	Me	H	NCONHEt	..
CF ₃	Me	H	NCONHPr	..
CF ₃	Me	H	NCOH	..
CF ₃	Me	H	NCONHMe	..
CF ₃	Me	H	NCN	..
CF ₃	Me	H	NCOSMe	..
CF ₃	Me	H	NCOSEt	..
CF ₃	Me	H	NCSOMe	..
CF ₃	Me	H	NCSOEt	..
CF ₃	Me	H	NCSOPr	..
CF ₃	Me	H	NSO ₂ H	..
CF ₃	Me	H	NSO ₂ NHMe	..
CF ₃	Me	H	NSO ₂ NMe ₂	..
CF ₃	Me	H	NP(O)(OMe) ₂	..
CF ₃	Me	H	NP(O)(OEt) ₂	..
CF ₃	Me	H	NP(O)Me ₂	..
CF ₃	Me	H	NP(O)Et ₂	..
CF ₃	Me	H	NP(O)Me(OMe)	..
CF ₃	Me	H	NP(O)(OPr) ₂	..
CF ₃	Me	H	NC(O)C(O)H	..
CF ₃	Me	H	NC(O)C(O)Me	..
CF ₃	Me	H	NC(O)C(O)OMe	..
CF ₃	Me	H	NC(O)C(O)OEt	..
CF ₃	Me	H	NC(O)C(O)NH ₂	..
CF ₃	Me	H	NC(O)C(O)OH	..
CF ₃	Me	H	NC(NH)H	..
CF ₃	Me	H	NC(NOH)H	..

125

CF ₃	Me	H	NC(NH)NHMe	..
CF ₃	Me	H	NC(NH)NMe ₂	..
CF ₃	Me	H	NC(NH)OMe	..
CF ₃	Me	H	NC(NH)OEt	..
CF ₃	H	Cl	NCOMe	..
CF ₃	H	Cl	NCOEt	..
CF ₃	H	Cl	NCOPr	..
CF ₃	H	Cl	NCHO	..
CF ₃	H	Cl	NCOiPr	..
CF ₃	H	Cl	NCOtBu	..
CF ₃	H	Cl	NCOPh	..
CF ₃	H	Cl	NSO ₂ Me	..
CF ₃	H	Cl	NSO ₂ Et	..
CF ₃	H	Cl	NSO ₂ Pr	..
CF ₃	H	Cl	NSO ₂ Ph	..
CF ₃	H	Cl	NSO ₂ iPr	..
CF ₃	H	Cl	NNO ₂	..
CF ₃	H	Cl	NCOOMe	..
CF ₃	H	Cl	NCOOEt	..
CF ₃	H	Cl	NCOOPr	..
CF ₃	H	Cl	NCOOiPr	..
CF ₃	H	Cl	NCONHEt	..
CF ₃	H	Cl	NCONHPr	..
CF ₃	H	Cl	NCOH	..
CF ₃	H	Cl	NCONHMe	..
CF ₃	H	Cl	NCN	..
CF ₃	H	Cl	NCOSMe	..
CF ₃	H	Cl	NCOSEt	..

126

CF ₃	H	Cl	NCSOMe	..
CF ₃	H	Cl	NCSOEt	..
CF ₃	H	Cl	NCSOPr	..
CF ₃	H	Cl	NSO ₂ H	..
CF ₃	H	Cl	NSO ₂ NHMe	..
CF ₃	H	Cl	NSO ₂ NMe ₂	..
CF ₃	H	Cl	NP(O)(OMe) ₂	..
CF ₃	H	Cl	NP(O)(OEt) ₂	..
CF ₃	H	Cl	NP(O)Me ₂	..
CF ₃	H	Cl	NP(O)Et ₂	..
CF ₃	H	Cl	NP(O)Me(OMe)	..
CF ₃	H	Cl	NP(O)(OPr) ₂	..
CF ₃	H	Cl	NC(O)C(O)H	..
CF ₃	H	Cl	NC(O)C(O)Me	..
CF ₃	H	Cl	NC(O)C(O)OMe	..
CF ₃	H	Cl	NC(O)C(O)OEt	..
CF ₃	H	Cl	NC(O)C(O)NH ₂	..
CF ₃	H	Cl	NC(O)C(O)OH	..
CF ₃	H	Cl	NC(NH)H	..
CF ₃	H	Cl	NC(NOH)H	..
CF ₃	H	Cl	NC(NH)NHMe	..
CF ₃	H	Cl	NC(NH)NMe ₂	..
CF ₃	H	Cl	NC(NH)OMe	..
CF ₃	H	Cl	NC(NH)OEt	..
CF ₃	Me	Cl	NCOMe	..
CF ₃	Me	Cl	NCOEt	..
CF ₃	Me	Cl	NCOPr	..
CF ₃	Me	Cl	NCHO	..

127

CF ₃	Me	Cl	NCOiPr	..
CF ₃	Me	Cl	NCOtBu	..
CF ₃	Me	Cl	NCOPh	..
CF ₃	Me	Cl	NSO ₂ Me	..
CF ₃	Me	Cl	NSO ₂ Et	..
CF ₃	Me	Cl	NSO ₂ Pr	..
CF ₃	Me	Cl	NSO ₂ Ph	..
CF ₃	Me	Cl	NSO ₂ iPr	..
CF ₃	Me	Cl	NNO ₂	..
CF ₃	Me	Cl	NCOOMe	..
CF ₃	Me	Cl	NCOOEt	..
CF ₃	Me	Cl	NCOOPr	..
CF ₃	Me	Cl	NCOOiPr	..
CF ₃	Me	Cl	NCONHEt	..
CF ₃	Me	Cl	NCONHPr	..
CF ₃	Me	Cl	NCOH	..
CF ₃	Me	Cl	NCONHMe	..
CF ₃	Me	Cl	NCN	..
CF ₃	Me	Cl	NCOSMe	..
CF ₃	Me	Cl	NCOSet	..
CF ₃	Me	Cl	NCSOMe	..
CF ₃	Me	Cl	NCSOEt	..
CF ₃	Me	Cl	NCSOPr	..
CF ₃	Me	Cl	NSO ₂ H	..
CF ₃	Me	Cl	NSO ₂ NHMe	..
CF ₃	Me	Cl	NSO ₂ NMe ₂	..
CF ₃	Me	Cl	NP(O)(OMe) ₂	..
CF ₃	Me	Cl	NP(O)(OEt) ₂	..

CF ₃	Me	Cl	NP(O)Me ₂	..
CF ₃	Me	Cl	NP(O)Et ₂	..
CF ₃	Me	Cl	NP(O)Me(OMe)	..
CF ₃	Me	Cl	NP(O)(OPr) ₂	..
CF ₃	Me	Cl	NC(O)C(O)H	..
CF ₃	Me	Cl	NC(O)C(O)Me	..
CF ₃	Me	Cl	NC(O)C(O)OMe	..
CF ₃	Me	Cl	NC(O)C(O)OEt	..
CF ₃	Me	Cl	NC(O)C(O)NH ₂	..
CF ₃	Me	Cl	NC(O)C(O)OH	..
CF ₃	Me	Cl	NC(NH)H	..
CF ₃	Me	Cl	NC(NOH)H	..
CF ₃	Me	Cl	NC(NH)NHMe	..
CF ₃	Me	Cl	NC(NH)NMe ₂	..
CF ₃	Me	Cl	NC(NH)OMe	..
CF ₃	Me	Cl	NC(NH)OEt	..
Me	H	NH ₂	NCOMe	..
Me	H	NH ₂	NCOEt	..
Me	H	NH ₂	NCOPr	..
Me	H	NH ₂	NCHO	..
Me	H	NH ₂	NCOiPr	..
Me	H	NH ₂	NCOtBu	..
Me	H	NH ₂	NCOPh	..
Me	H	NH ₂	NSO ₂ Me	..
Me	H	NH ₂	NSO ₂ Et	..
Me	H	NH ₂	NSO ₂ Pr	..
Me	H	NH ₂	NSO ₂ Ph	..
Me	H	NH ₂	NSO ₂ iPr	..

129

Me	H	NH ₂	NNO ₂	..
Me	H	NH ₂	NCOOMe	..
Me	H	NH ₂	NCOOEt	..
Me	H	NH ₂	NCOOPr	..
Me	H	NH ₂	NCOOiPr	..
Me	H	NH ₂	NCONHEt	..
Me	H	NH ₂	NCONHPr	..
Me	H	NH ₂	NCOH	..
Me	H	NH ₂	NCONHMe	..
Me	H	NH ₂	NCN	..
Me	H	NH ₂	NCOSMe	..
Me	H	NH ₂	NCOSMe	..
Me	H	NH ₂	NCSOMe	..
Me	H	NH ₂	NCSOEt	..
Me	H	NH ₂	NCSOPr	..
Me	H	NH ₂	NSO ₂ H	..
Me	H	NH ₂	NSO ₂ NHMe	..
Me	H	NH ₂	NSO ₂ NMe ₂	..
Me	H	NH ₂	NP(O)(OMe) ₂	..
Me	H	NH ₂	NP(O)(OEt) ₂	..
Me	H	NH ₂	NP(O)Me ₂	..
Me	H	NH ₂	NP(O)Et ₂	..
Me	H	NH ₂	NP(O)Me(OMe)	..
Me	H	NH ₂	NP(O)(OPr) ₂	..
Me	H	NH ₂	NC(O)C(O)H	..
Me	H	NH ₂	NC(O)C(O)Me	..
Me	H	NH ₂	NC(O)C(O)OMe	..
Me	H	NH ₂	NC(O)C(O)OEt	..

130

Me	H	NH ₂	NC(O)C(O)NH ₂	..
Me	H	NH ₂	NC(O)C(O)OH	..
Me	H	NH ₂	NC(NH)H	..
Me	H	NH ₂	NC(NO ₂)H	..
Me	H	NH ₂	NC(NH)NHMe	..
Me	H	NH ₂	NC(NH)NMe ₂	..
Me	H	NH ₂	NC(NH)OMe	..
Me	H	NH ₂	NC(NH)OEt	..
Me	H	NH ₂	NH	O
Me	H	NH ₂	NCOMe	O
Me	H	NH ₂	NCOEt	O
Me	H	NH ₂	NCOPr	O
Me	H	NH ₂	NCHO	O
Me	H	NH ₂	NCOiPr	O
Me	H	NH ₂	NCOtBu	O
Me	H	NH ₂	NCOPh	O
Me	H	NH ₂	NSO ₂ Me	O
Me	H	NH ₂	NSO ₂ Et	O
Me	H	NH ₂	NSO ₂ Pr	O
Me	H	NH ₂	NSO ₂ Ph	O
Me	H	NH ₂	NSO ₂ iPr	O
Me	H	NH ₂	NNO ₂	O
Me	H	NH ₂	NCOOMe	O
Me	H	NH ₂	NCOOEt	O
Me	H	NH ₂	NCOOPr	O
Me	H	NH ₂	NCOOiPr	O
Me	H	NH ₂	NCONHEt	O
Me	H	NH ₂	NCONHPr	O

131

Me	H	NH ₂	NCOH	O
Me	H	NH ₂	NCONHMe	O
Me	H	NH ₂	NCN	O
Me	H	NH ₂	NCOSMe	O
Me	H	NH ₂	NCOSEt	O
Me	H	NH ₂	NCSOMe	O
Me	H	NH ₂	NCSOEt	O
Me	H	NH ₂	NCSOPr	O
Me	H	NH ₂	NSO ₂ H	O
Me	H	NH ₂	NSO ₂ NHMe	O
Me	H	NH ₂	NSO ₂ NMe ₂	O
Me	H	NH ₂	NP(O)(OMe) ₂	O
Me	H	NH ₂	NP(O)(OEt) ₂	O
Me	H	NH ₂	NP(O)Me ₂	O
Me	H	NH ₂	NP(O)Et ₂	O
Me	H	NH ₂	NP(O)Me(OMe)	O
Me	H	NH ₂	NP(O)(OPr) ₂	O
Me	H	NH ₂	NC(O)C(O)H	O
Me	H	NH ₂	NC(O)C(O)Me	O
Me	H	NH ₂	NC(O)C(O)OMe	O
Me	H	NH ₂	NC(O)C(O)OEt	O
Me	H	NH ₂	NC(O)C(O)NH ₂	O
Me	H	NH ₂	NC(O)C(O)OH	O
Me	H	NH ₂	NC(NH)H	O
Me	H	NH ₂	NC(NOH)H	O
Me	H	NH ₂	NC(NH)NHMe	O
Me	H	NH ₂	NC(NH)NMe ₂	O
Me	H	NH ₂	NC(NH)OMe	O

132

Me	H	NH ₂	NC(NH)OEt	O
Me	Me	NH ₂	NCOMe	..
Me	Me	NH ₂	NCOEt	..
Me	Me	NH ₂	NCOPr	..
Me	Me	NH ₂	NCHO	..
Me	Me	NH ₂	NCOiPr	..
Me	Me	NH ₂	NCOtBu	..
Me	Me	NH ₂	NCOPh	..
Me	Me	NH ₂	NSO ₂ Me	..
Me	Me	NH ₂	NSO ₂ Et	..
Me	Me	NH ₂	NSO ₂ Pr	..
Me	Me	NH ₂	NSO ₂ Ph	..
Me	Me	NH ₂	NSO ₂ iPr	..
Me	Me	NH ₂	NNO ₂	..
Me	Me	NH ₂	NCOOMe	..
Me	Me	NH ₂	NCOOEt	..
Me	Me	NH ₂	NCOOPr	..
Me	Me	NH ₂	NCOOiPr	..
Me	Me	NH ₂	NCONHEt	..
Me	Me	NH ₂	NCONHPr	..
Me	Me	NH ₂	NCOH	..
Me	Me	NH ₂	NCONHMe	..
Me	Me	NH ₂	NCN	..
Me	Me	NH ₂	NCOSMe	..
Me	Me	NH ₂	NCOSEt	..
Me	Me	NH ₂	NCSOMe	..
Me	Me	NH ₂	NCSOEt	..
Me	Me	NH ₂	NCSOPr	..

133

Me	Me	NH ₂	NSO ₂ H	..
Me	Me	NH ₂	NSO ₂ NHMe	..
Me	Me	NH ₂	NSO ₂ NMe ₂	..
Me	Me	NH ₂	NP(O)(OMe) ₂	..
Me	Me	NH ₂	NP(O)(OEt) ₂	..
Me	Me	NH ₂	NP(O)Me ₂	..
Me	Me	NH ₂	NP(O)Et ₂	..
Me	Me	NH ₂	NP(O)Me(OMe)	..
Me	Me	NH ₂	NP(O)(OPr) ₂	..
Me	Me	NH ₂	NC(O)C(O)H	..
Me	Me	NH ₂	NC(O)C(O)Me	..
Me	Me	NH ₂	NC(O)C(O)OMe	..
Me	Me	NH ₂	NC(O)C(O)OEt	..
Me	Me	NH ₂	NC(O)C(O)NH ₂	..
Me	Me	NH ₂	NC(O)C(O)OH	..
Me	Me	NH ₂	NC(NH)H	..
Me	Me	NH ₂	NC(NOH)H	..
Me	Me	NH ₂	NC(NH)NHMe	..
Me	Me	NH ₂	NC(NH)NMe ₂	..
Me	Me	NH ₂	NC(NH)OMe	..
Me	Me	NH ₂	NC(NH)OEt	..
Me	Me	NH ₂	NH	O
Me	Me	NH ₂	NCOMe	O
Me	Me	NH ₂	NCOEt	O
Me	Me	NH ₂	NCOPr	O
Me	Me	NH ₂	NCHO	O
Me	Me	NH ₂	NCOiPr	O
Me	Me	NH ₂	NCOtBu	O

134

Me	Me	NH ₂	NCOPh	O
Me	Me	NH ₂	NSO ₂ Me	O
Me	Me	NH ₂	NSO ₂ Et	O
Me	Me	NH ₂	NSO ₂ Pr	O
Me	Me	NH ₂	NSO ₂ Ph	O
Me	Me	NH ₂	NSO ₂ iPr	O
Me	Me	NH ₂	NNO ₂	O
Me	Me	NH ₂	NCOOMe	O
Me	Me	NH ₂	NCOOEt	O
Me	Me	NH ₂	NCOOPr	O
Me	Me	NH ₂	NCOOiPr	O
Me	Me	NH ₂	NCONHEt	O
Me	Me	NH ₂	NCONHPr	O
Me	Me	NH ₂	NCOH	O
Me	Me	NH ₂	NCONHMe	O
Me	Me	NH ₂	NCN	O
Me	Me	NH ₂	NCOSMe	O
Me	Me	NH ₂	NCOSEt	O
Me	Me	NH ₂	NCSOMe	O
Me	Me	NH ₂	NCSOEt	O
Me	Me	NH ₂	NCSOPr	O
Me	Me	NH ₂	NSO ₂ H	O
Me	Me	NH ₂	NSO ₂ NHMe	O
Me	Me	NH ₂	NSO ₂ NMe ₂	O
Me	Me	NH ₂	NP(O)(OMe) ₂	O
Me	Me	NH ₂	NP(O)(OEt) ₂	O
Me	Me	NH ₂	NP(O)Me ₂	O
Me	Me	NH ₂	NP(O)Et ₂	O

135

Me	Me	NH ₂	NP(O)Me(OMe)	O
Me	Me	NH ₂	NP(O)(OPr) ₂	O
Me	Me	NH ₂	NC(O)C(O)H	O
Me	Me	NH ₂	NC(O)C(O)Me	O
Me	Me	NH ₂	NC(O)C(O)OMe	O
Me	Me	NH ₂	NC(O)C(O)OEt	O
Me	Me	NH ₂	NC(O)C(O)NH ₂	O
Me	Me	NH ₂	NC(O)C(O)OH	O
Me	Me	NH ₂	NC(NH)H	O
Me	Me	NH ₂	NC(NOH)H	O
Me	Me	NH ₂	NC(NH)NHMe	O
Me	Me	NH ₂	NC(NH)NMe ₂	O
Me	Me	NH ₂	NC(NH)OMe	O
Me	Me	NH ₂	NC(NH)OEt	O
Me	H	H	NCOMe	"
Me	H	H	NCOEt	"
Me	H	H	NCOPr	"
Me	H	H	NCHO	"
Me	H	H	NCOiPr	"
Me	H	H	NCOtBu	"
Me	H	H	NCOPh	"
Me	H	H	NSO ₂ Me	"
Me	H	H	NSO ₂ Et	"
Me	H	H	NSO ₂ Pr	"
Me	H	H	NSO ₂ Ph	"
Me	H	H	NSO ₂ iPr	"
Me	H	H	NNO ₂	"
Me	H	H	NCOOMe	"

136

Me	H	H	NCOOEt	..
Me	H	H	NCOOPr	..
Me	H	H	NCOOiPr	..
Me	H	H	NCONHEt	..
Me	H	H	NCONHPr	..
Me	H	H	NCOH	..
Me	H	H	NCONHMe	..
Me	H	H	NCN	..
Me	H	H	NCOSMe	..
Me	H	H	NCOSMe	..
Me	H	H	NCSOMe	..
Me	H	H	NCSOEt	..
Me	H	H	NCSOPr	..
Me	H	H	NSO ₂ H	..
Me	H	H	NSO ₂ NHMe	..
Me	H	H	NSO ₂ NMe ₂	..
Me	H	H	NP(O)(OMe) ₂	..
Me	H	H	NP(O)(OEt) ₂	..
Me	H	H	NP(O)Me ₂	..
Me	H	H	NP(O)Et ₂	..
Me	H	H	NP(O)Me(OMe)	..
Me	H	H	NP(O)(OPr) ₂	..
Me	H	H	NC(O)C(O)H	..
Me	H	H	NC(O)C(O)Me	..
Me	H	H	NC(O)C(O)OMe	..
Me	H	H	NC(O)C(O)OEt	..
Me	H	H	NC(O)C(O)NH ₂	..
Me	H	H	NC(O)C(O)OH	..

137

Me	H	H	NC(NH)H	..
Me	H	H	NC(NO ₂)H	..
Me	H	H	NC(NH)NHMe	..
Me	H	H	NC(NH)NMe ₂	..
Me	H	H	NC(NH)OMe	..
Me	H	H	NC(NH)OEt	..
Me	H	Me	NCOMe	..
Me	H	Me	NCOEt	..
Me	H	Me	NCOPr	..
Me	H	Me	NCHO	..
Me	H	Me	NCOiPr	..
Me	H	Me	NCOtBu	..
Me	H	Me	NCOPh	..
Me	H	Me	NSO ₂ Me	..
Me	H	Me	NSO ₂ Et	..
Me	H	Me	NSO ₂ Pr	..
Me	H	Me	NSO ₂ Ph	..
Me	H	Me	NSO ₂ iPr	..
Me	H	Me	NNO ₂	..
Me	H	Me	NCOOMe	..
Me	H	Me	NCOOEt	..
Me	H	Me	NCOOPr	..
Me	H	Me	NCOOiPr	..
Me	H	Me	NCONHEt	..
Me	H	Me	NCONHPr	..
Me	H	Me	NCOH	..
Me	H	Me	NCONHMe	..
Me	H	Me	NCN	..

138

Me	H	Me	NCOSMe	..
Me	H	Me	NCOSEt	..
Me	H	Me	NCSOMe	..
Me	H	Me	NCSOEt	..
Me	H	Me	NCSOPr	..
Me	H	Me	NSO ₂ H	..
Me	H	Me	NSO ₂ NHMe	..
Me	H	Me	NSO ₂ NMe ₂	..
Me	H	Me	NP(O)(OMe) ₂	..
Me	H	Me	NP(O)(OEt) ₂	..
Me	H	Me	NP(O)Me ₂	..
Me	H	Me	NP(O)Et ₂	..
Me	H	Me	NP(O)Me(OMe)	..
Me	H	Me	NP(O)(OPr) ₂	..
Me	H	Me	NC(O)C(O)H	..
Me	H	Me	NC(O)C(O)Me	..
Me	H	Me	NC(O)C(O)OMe	..
Me	H	Me	NC(O)C(O)OEt	..
Me	H	Me	NC(O)C(O)NH ₂	..
Me	H	Me	NC(O)C(O)OH	..
Me	H	Me	NC(NH)H	..
Me	H	Me	NC(NOH)H	..
Me	H	Me	NC(NH)NHMe	..
Me	H	Me	NC(NH)NMe ₂	..
Me	H	Me	NC(NH)OMe	..
Me	H	Me	NC(NH)OEt	..
Me	Me	Me	NCOMe	..
Me	Me	Me	NCOEt	..

139

Me	Me	Me	NCOPr	
Me	Me	Me	NCHO	..
Me	Me	Me	NCOiPr	..
Me	Me	Me	NCOtBu	..
Me	Me	Me	NCOPh	..
Me	Me	Me	NSO ₂ Me	..
Me	Me	Me	NSO ₂ Et	..
Me	Me	Me	NSO ₂ Pr	..
Me	Me	Me	NSO ₂ Ph	..
Me	Me	Me	NSO ₂ iPr	..
Me	Me	Me	NNO ₂	..
Me	Me	Me	NCOOMe	..
Me	Me	Me	NCOOEt	..
Me	Me	Me	NCOOPr	..
Me	Me	Me	NCOOiPr	..
Me	Me	Me	NCONHEt	..
Me	Me	Me	NCONHPr	..
Me	Me	Me	NCOH	..
Me	Me	Me	NCONHMe	..
Me	Me	Me	NCN	..
Me	Me	Me	NCOSMe	..
Me	Me	Me	NCOSMe	..
Me	Me	Me	NCSOEt	..
Me	Me	Me	NCSOPr	..
Me	Me	Me	NSO ₂ H	..
Me	Me	Me	NSO ₂ NHMe	..
Me	Me	Me	NSO ₂ NMe ₂	..

140

Me	Me	Me	NP(O)(OMe) ₂	..
Me	Me	Me	NP(O)(OEt) ₂	..
Me	Me	Me	NP(O)Me ₂	..
Me	Me	Me	NP(O)Et ₂	..
Me	Me	Me	NP(O)Me(OMe)	..
Me	Me	Me	NP(O)(OPr) ₂	..
Me	Me	Me	NC(O)C(O)H	..
Me	Me	Me	NC(O)C(O)Me	..
Me	Me	Me	NC(O)C(O)OMe	..
Me	Me	Me	NC(O)C(O)OEt	..
Me	Me	Me	NC(O)C(O)NH ₂	..
Me	Me	Me	NC(O)C(O)OH	..
Me	Me	Me	NC(NH)H	..
Me	Me	Me	NC(NOH)H	..
Me	Me	Me	NC(NH)NHMe	..
Me	Me	Me	NC(NH)NMe ₂	..
Me	Me	Me	NC(NH)OMe	..
Me	Me	Me	NC(NH)OEt	..
Me	Me	H	NCOMe	..
Me	Me	H	NCOEt	..
Me	Me	H	NCOPr	..
Me	Me	H	NCHO	..
Me	Me	H	NCOiPr	..
Me	Me	H	NCOtBu	..
Me	Me	H	NCOPh	..
Me	Me	H	NSO ₂ Me	..
Me	Me	H	NSO ₂ Et	..
Me	Me	H	NSO ₂ Pr	..

141

Me	Me	H	NSO ₂ Ph	..
Me	Me	H	NSO ₂ iPr	..
Me	Me	H	NNO ₂	..
Me	Me	H	NCOOMe	..
Me	Me	H	NCOOEt	..
Me	Me	H	NCOOPr	..
Me	Me	H	NCOOiPr	..
Me	Me	H	NCONHEt	..
Me	Me	H	NCONHPr	..
Me	Me	H	NCOH	..
Me	Me	H	NCONHMe	..
Me	Me	H	NCN	..
Me	Me	H	NCOSMe	..
Me	Me	H	NCOSEt	..
Me	Me	H	NCSOMe	..
Me	Me	H	NCSOEt	..
Me	Me	H	NCSOPr	..
Me	Me	H	NSO ₂ H	..
Me	Me	H	NSO ₂ NHMe	..
Me	Me	H	NSO ₂ NMe ₂	..
Me	Me	H	NP(O)(OMe) ₂	..
Me	Me	H	NP(O)(OEt) ₂	..
Me	Me	H	NP(O)Me ₂	..
Me	Me	H	NP(O)Et ₂	..
Me	Me	H	NP(O)Me(OMe)	..
Me	Me	H	NP(O)(OPr) ₂	..
Me	Me	H	NC(O)C(O)H	..
Me	Me	H	NC(O)C(O)Me	..

142

Me	Me	H	NC(O)C(O)OMe	..
Me	Me	H	NC(O)C(O)OEt	..
Me	Me	H	NC(O)C(O)NH ₂	..
Me	Me	H	NC(O)C(O)OH	..
Me	Me	H	NC(NH)H	..
Me	Me	H	NC(NOH)H	..
Me	Me	H	NC(NH)NHMe	..
Me	Me	H	NC(NH)NMe ₂	..
Me	Me	H	NC(NH)OMe	..
Me	Me	H	NC(NH)OEt	..
Me	CN	NH ₂	NH	NH
Me	CN	NHMe	NH	NH
Me	CN	NMe ₂	NH	NH
Me	CN	NHEt	NH	NH
Et	CN	NH ₂	NH	NH
Et	CN	NHMe	NH	NH
Et	CN	NMe ₂	NH	NH
Et	CN	NHEt	NH	NH
CF ₃	CN	NH ₂	NH	NH
CF ₃	CN	NHMe	NH	NH
CF ₃	CN	NMe ₂	NH	NH
CF ₃	CN	NHEt	NH	NH

143

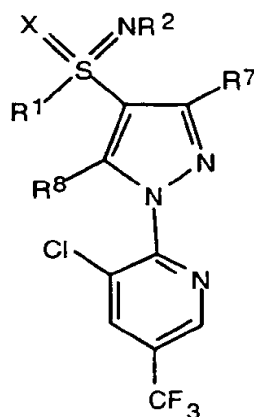
TABLE 3

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R^1	R^7	R^8	NR^2	X
CF ₃	CN	NH ₂	NCOMe	..
CF ₃	CN	NH ₂	NCOEt	..
CF ₃	CN	NH ₂	NCOPr	..
CF ₃	CN	NH ₂	NCHO	..
CF ₃	CN	NH ₂	NCOiPr	..
CF ₃	CN	NH ₂	NCOtBu	..
CF ₃	CN	NH ₂	NCOPh	..
CF ₃	CN	NH ₂	NSO ₂ Me	..
CF ₃	CN	NH ₂	NSO ₂ Et	..
CF ₃	CN	NH ₂	NSO ₂ Pr	..
CF ₃	CN	NH ₂	NSO ₂ Ph	..
CF ₃	CN	NH ₂	NSO ₂ iPr	..
CF ₃	CN	NH ₂	NNO ₂	..

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CF₃

CN

NH₂

NCOOMe

CF₃

CN

NH₂

NCOOEt

TABLE 3, Continued

R¹	R⁷	R⁸	NR²	X
CF ₃	CN	NH ₂	NCOOPr	..
CF ₃	CN	NH ₂	NCOOiPr	..
CF ₃	CN	NH ₂	NCONHEt	..
CF ₃	CN	NH ₂	NCONHPr	..
CF ₃	CN	NH ₂	NCONH ₂	..
CF ₃	CN	NH ₂	NCONHMe	..
CF ₃	CN	NH ₂	NCN	..
CF ₃	CN	NH ₂	NCOSMe	..
CF ₃	CN	NH ₂	NCOSEt	..
CF ₃	CN	NH ₂	NCSOMe	..
CF ₃	CN	NH ₂	NCSOEt	..
CF ₃	CN	NH ₂	NCSOPr	..
CF ₃	CN	NH ₂	NSO ₂ NH ₂	..
CF ₃	CN	NH ₂	NSO ₂ NHMe	..
CF ₃	CN	NH ₂	NSO ₂ NMe ₂	..
CF ₃	CN	NH ₂	NP(O)(OMe) ₂	..
CF ₃	CN	NH ₂	NP(O)(OEt) ₂	..
CF ₃	CN	NH ₂	NP(O)Me ₂	..
CF ₃	CN	NH ₂	NP(O)Et ₂	..
CF ₃	CN	NH ₂	NP(O)Me(OMe)	..
CF ₃	CN	NH ₂	NP(O)(OPr) ₂	..
CF ₃	CN	NH ₂	NC(O)C(O)H	..
CF ₃	CN	NH ₂	NC(O)C(O)Me	..
CF ₃	CN	NH ₂	NC(O)C(O)OMe	..

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CF ₃	CN	NH ₂	NC(O)C(O)OEt	..
CF ₃	CN	NH ₂	NC(O)C(O)NH ₂	..
CF ₃	CN	NH ₂	NC(O)C(O)OH	..
CF ₃	CN	NH ₂	NC(NH)NH ₂	..
CF ₃	CN	NH ₂	NC(NOH)NH ₂	..
CF ₃	CN	NH ₂	NC(NH)NHMe	..
CF ₃	CN	NH ₂	NC(NH)NMe ₂	..
CF ₃	CN	NH ₂	NC(NH)OMe	..
CF ₃	CN	NH ₂	NC(NH)OEt	..
CF ₃	CN	NH ₂	NH	O
CF ₃	CN	NH ₂	NCOMe	O
CF ₃	CN	NH ₂	NCOEt	O
CF ₃	CN	NH ₂	NCOPr	O
CF ₃	CN	NH ₂	NCHO	O
CF ₃	CN	NH ₂	NCOiPr	O
CF ₃	CN	NH ₂	NCOtBu	O
CF ₃	CN	NH ₂	NCOPh	O
CF ₃	CN	NH ₂	NSO ₂ Me	O
CF ₃	CN	NH ₂	NSO ₂ Et	O
CF ₃	CN	NH ₂	NSO ₂ Pr	O
CF ₃	CN	NH ₂	NSO ₂ Ph	O
CF ₃	CN	NH ₂	NSO ₂ iPr	O
CF ₃	CN	NH ₂	NNO ₂	O
CF ₃	CN	NH ₂	NCOOMe	O
CF ₃	CN	NH ₂	NCOOEt	O
CF ₃	CN	NH ₂	NCOOPr	O
CF ₃	CN	NH ₂	NCOOiPr	O
CF ₃	CN	NH ₂	NCONHEt	O

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CF ₃	CN	NH ₂	NCONHPr	O
CF ₃	CN	NH ₂	NCONH ₂	O
CF ₃	CN	NH ₂	NCONHMe	O
CF ₃	CN	NH ₂	NCN	O
CF ₃	CN	NH ₂	NCOSMe	O
CF ₃	CN	NH ₂	NCOSEt	O
CF ₃	CN	NH ₂	NCSOMe	O
CF ₃	CN	NH ₂	NCSOEt	O
CF ₃	CN	NH ₂	NCSOPr	O
CF ₃	CN	NH ₂	NSO ₂ NH ₂	O
CF ₃	CN	NH ₂	NSO ₂ NHMe	O
CF ₃	CN	NH ₂	NSO ₂ NMe ₂	O
CF ₃	CN	NH ₂	NP(O)(OMe) ₂	O
CF ₃	CN	NH ₂	NP(O)(OEt) ₂	O
CF ₃	CN	NH ₂	NP(O)Me ₂	O
CF ₃	CN	NH ₂	NP(O)Et ₂	O
CF ₃	CN	NH ₂	NP(O)Me(OMe)	O
CF ₃	CN	NH ₂	NP(O)(OPr) ₂	O
CF ₃	CN	NH ₂	NC(O)C(O)H	O
CF ₃	CN	NH ₂	NC(O)C(O)Me	O
CF ₃	CN	NH ₂	NC(O)C(O)OMe	O
CF ₃	CN	NH ₂	NC(O)C(O)OEt	O
CF ₃	CN	NH ₂	NC(O)C(O)NH ₂	O
CF ₃	CN	NH ₂	NC(O)C(O)OH	O
CF ₃	CN	NH ₂	NC(NH)NH ₂	O
CF ₃	CN	NH ₂	NC(NOH)NH ₂	O
CF ₃	CN	NH ₂	NC(NH)NHMe	O
CF ₃	CN	NH ₂	NC(NH)NMe ₂	O

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CF ₃	CN	NH ₂	NC(NH)OMe	O
CF ₃	CN	NH ₂	NC(NH)OEt	O
CF ₃	CN	H	NCOMe	..
CF ₃	CN	H	NCOEt	..
CF ₃	CN	H	NCOPr	..
CF ₃	CN	H	NCHO	..
CF ₃	CN	H	NCOiPr	..
CF ₃	CN	H	NCOtBu	..
CF ₃	CN	H	NCOPh	..
CF ₃	CN	H	NSO ₂ Me	..
CF ₃	CN	H	NSO ₂ Et	..
CF ₃	CN	H	NSO ₂ Pr	..
CF ₃	CN	H	NSO ₂ Ph	..
CF ₃	CN	H	NSO ₂ iPr	..
CF ₃	CN	H	NNO ₂	..
CF ₃	CN	H	NCOOMe	..
CF ₃	CN	H	NCOOEt	..
CF ₃	CN	H	NCOOPr	..
CF ₃	CN	H	NCOOiPr	..
CF ₃	CN	H	NCONHEt	..
CF ₃	CN	H	NCONHPr	..
CF ₃	CN	H	NCONH ₂	..
CF ₃	CN	H	NCONHMe	..
CF ₃	CN	H	NCN	..
CF ₃	CN	H	NCOSMe	..
CF ₃	CN	H	NCOSEt	..
CF ₃	CN	H	NCSOMe	..
CF ₃	CN	H	NCSOEt	..

149

CF ₃	CN	H	NCSOPr	..
CF ₃	CN	H	NSO ₂ NH ₂	..
CF ₃	CN	H	NSO ₂ NHMe	..
CF ₃	CN	H	NSO ₂ NMe ₂	..
CF ₃	CN	H	NP(O)(OMe) ₂	..
CF ₃	CN	H	NP(O)(OEt) ₂	..
CF ₃	CN	H	NP(O)Me ₂	..
CF ₃	CN	H	NP(O)Et ₂	..
CF ₃	CN	H	NP(O)Me(OMe)	..
CF ₃	CN	H	NP(O)(OPr) ₂	..
CF ₃	CN	H	NC(O)C(O)H	..
CF ₃	CN	H	NC(O)C(O)Me	..
CF ₃	CN	H	NC(O)C(O)OMe	..
CF ₃	CN	H	NC(O)C(O)OEt	..
CF ₃	CN	H	NC(O)C(O)NH ₂	..
CF ₃	CN	H	NC(O)C(O)OH	..
CF ₃	CN	H	NC(NH)NH ₂	..
CF ₃	CN	H	NC(NOH)NH ₂	..
CF ₃	CN	H	NC(NH)NHMe	..
CF ₃	CN	H	NC(NH)NMe ₂	..
CF ₃	CN	H	NC(NH)OMe	..
CF ₃	CN	H	NC(NH)OEt	..
CF ₃	CN	H	NH	O
CF ₃	CN	H	NCOMe	O
CF ₃	CN	H	NCOEt	O
CF ₃	CN	H	NCOPr	O
CF ₃	CN	H	NCHO	O
CF ₃	CN	H	NCOiPr	O

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CF ₃	CN	H	NCOtBu	O
CF ₃	CN	H	NCOPh	O
CF ₃	CN	H	NSO ₂ Me	O
CF ₃	CN	H	NSO ₂ Et	O
CF ₃	CN	H	NSO ₂ Pr	O
CF ₃	CN	H	NSO ₂ Ph	O
CF ₃	CN	H	NSO ₂ iPr	O
CF ₃	CN	H	NNO ₂	O
CF ₃	CN	H	NCOOMe	O
CF ₃	CN	H	NCOOEt	O
CF ₃	CN	H	NCOOPr	O
CF ₃	CN	H	NCOOiPr	O
CF ₃	CN	H	NCONHEt	O
CF ₃	CN	H	NCONHPr	O
CF ₃	CN	H	NCONH ₂	O
CF ₃	CN	H	NCONHMe	O
CF ₃	CN	H	NCN	O
CF ₃	CN	H	NCOSMe	O
CF ₃	CN	H	NCOSEt	O
CF ₃	CN	H	NCSOMe	O
CF ₃	CN	H	NCSOEt	O
CF ₃	CN	H	NCSOPr	O
CF ₃	CN	H	NSO ₂ NH ₂	O
CF ₃	CN	H	NSO ₂ NHMe	O
CF ₃	CN	H	NSO ₂ NMe ₂	O
CF ₃	CN	H	NP(O)(OMe) ₂	O
CF ₃	CN	H	NP(O)(OEt) ₂	O
CF ₃	CN	H	NP(O)Me ₂	O

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CF ₃	CN	H	NP(O)Et ₂	O
CF ₃	CN	H	NP(O)Me(OMe)	O
CF ₃	CN	H	NP(O)(OPr) ₂	O
CF ₃	CN	H	NC(O)C(O)H	O
CF ₃	CN	H	NC(O)C(O)Me	O
CF ₃	CN	H	NC(O)C(O)OMe	O
CF ₃	CN	H	NC(O)C(O)OEt	O
CF ₃	CN	H	NC(O)C(O)NH ₂	O
CF ₃	CN	H	NC(O)C(O)OH	O
CF ₃	CN	H	NC(NH)NH ₂	O
CF ₃	CN	H	NC(NOH)NH ₂	O
CF ₃	CN	H	NC(NH)NHMe	O
CF ₃	CN	H	NC(NH)NMe ₂	O
CF ₃	CN	H	NC(NH)OMe	O
CF ₃	CN	H	NC(NH)OEt	O
CF ₃	CN	SMe	NCOMe	..
CF ₃	CN	SMe	NCOEt	..
CF ₃	CN	SMe	NCOPr	..
CF ₃	CN	SMe	NCHO	..
CF ₃	CN	SMe	NCOiPr	..
CF ₃	CN	SMe	NCOtBu	..
CF ₃	CN	SMe	NCOPh	..
CF ₃	CN	SMe	NSO ₂ Me	..
CF ₃	CN	SMe	NSO ₂ Et	..
CF ₃	CN	SMe	NSO ₂ Pr	..
CF ₃	CN	SMe	NSO ₂ Ph	..
CF ₃	CN	SMe	NSO ₂ iPr	..
CF ₃	CN	SMe	NNO ₂	..

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CF ₃	CN	SMe	NCOOMe	..
CF ₃	CN	SMe	NCOOEt	..
CF ₃	CN	SMe	NCOOPr	..
CF ₃	CN	SMe	NCOOiPr	..
CF ₃	CN	SMe	NCONHEt	..
CF ₃	CN	SMe	NCONHPr	..
CF ₃	CN	SMe	NCONH ₂	..
CF ₃	CN	SMe	NCONHMe	..
CF ₃	CN	SMe	NCN	..
CF ₃	CN	SMe	NCOSMe	..
CF ₃	CN	SMe	NCOSMe	..
CF ₃	CN	SMe	NCSOMe	..
CF ₃	CN	SMe	NCSOEt	..
CF ₃	CN	SMe	NCSOPr	..
CF ₃	CN	SMe	NSO ₂ NH ₂	..
CF ₃	CN	SMe	NSO ₂ NHMe	..
CF ₃	CN	SMe	NSO ₂ NMe ₂	..
CF ₃	CN	SMe	NP(O)(OMe) ₂	..
CF ₃	CN	SMe	NP(O)(OEt) ₂	..
CF ₃	CN	SMe	NP(O)Me ₂	..
CF ₃	CN	SMe	NP(O)Et ₂	..
CF ₃	CN	SMe	NP(O)Me(OMe)	..
CF ₃	CN	SMe	NP(O)(OPr) ₂	..
CF ₃	CN	SMe	NC(O)C(O)H	..
CF ₃	CN	SMe	NC(O)C(O)Me	..
CF ₃	CN	SMe	NC(O)C(O)OMe	..
CF ₃	CN	SMe	NC(O)C(O)OEt	..
CF ₃	CN	SMe	NC(O)C(O)NH ₂	..

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CF ₃	CN	SMe	NC(O)C(O)OH	"
CF ₃	CN	SMe	NC(NH)NH ₂	"
CF ₃	CN	SMe	NC(NOH)NH ₂	"
CF ₃	CN	SMe	NC(NH)NHMe	"
CF ₃	CN	SMe	NC(NH)NMe ₂	"
CF ₃	CN	SMe	NC(NH)OMe	"
CF ₃	CN	SMe	NC(NH)OEt	"
CF ₃	CN	SMe	NCOMe	O
CF ₃	CN	SMe	NCOEt	O
CF ₃	CN	SMe	NCOPr	O
CF ₃	CN	SMe	NCHO	O
CF ₃	CN	SMe	NCOiPr	O
CF ₃	CN	SMe	NCOtBu	O
CF ₃	CN	SMe	NCOPh	O
CF ₃	CN	SMe	NSO ₂ Me	O
CF ₃	CN	SMe	NSO ₂ Et	O
CF ₃	CN	SMe	NSO ₂ Pr	O
CF ₃	CN	SMe	NSO ₂ Ph	O
CF ₃	CN	SMe	NSO ₂ iPr	O
CF ₃	CN	SMe	NNO ₂	O
CF ₃	CN	SMe	NCOOMe	O
CF ₃	CN	SMe	NCOOEt	O
CF ₃	CN	SMe	NCOOPr	O
CF ₃	CN	SMe	NCOOiPr	O
CF ₃	CN	SMe	NCONHEt	O
CF ₃	CN	SMe	NCONHPr	O
CF ₃	CN	SMe	NCONH ₂	O
CF ₃	CN	SMe	NCONHMe	O

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CF ₃	CN	SMe	NCN	O
CF ₃	CN	SMe	NCOSMe	O
CF ₃	CN	SMe	NCOSEt	O
CF ₃	CN	SMe	NCSOMe	O
CF ₃	CN	SMe	NCSOEt	O
CF ₃	CN	SMe	NCSOPr	O
CF ₃	CN	SMe	NSO ₂ NH ₂	O
CF ₃	CN	SMe	NSO ₂ NHMe	O
CF ₃	CN	SMe	NSO ₂ NMe ₂	O
CF ₃	CN	SMe	NP(O)(OMe) ₂	O
CF ₃	CN	SMe	NP(O)(OEt) ₂	O
CF ₃	CN	SMe	NP(O)Me ₂	O
CF ₃	CN	SMe	NP(O)Et ₂	O
CF ₃	CN	SMe	NP(O)Me(OMe)	O
CF ₃	CN	SMe	NP(O)(OPr) ₂	O
CF ₃	CN	SMe	NC(O)C(O)H	O
CF ₃	CN	SMe	NC(O)C(O)Me	O
CF ₃	CN	SMe	NC(O)C(O)OMe	O
CF ₃	CN	SMe	NC(O)C(O)OEt	O
CF ₃	CN	SMe	NC(O)C(O)NH ₂	O
CF ₃	CN	SMe	NC(O)C(O)OH	O
CF ₃	CN	SMe	NC(NH)NH ₂	O
CF ₃	CN	SMe	NC(NOH)NH ₂	O
CF ₃	CN	SMe	NC(NH)NHMe	O
CF ₃	CN	SMe	NC(NH)NMe ₂	O
CF ₃	CN	SMe	NC(NH)OMe	O
CF ₃	CN	SMe	NC(NH)OEt	O
CF ₃	CN	Cl	NCOMe	..

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CF ₃	CN	Cl	NCOEt	..
CF ₃	CN	Cl	NCOPr	..
CF ₃	CN	Cl	NCHO	..
CF ₃	CN	Cl	NCOiPr	..
CF ₃	CN	Cl	NCOtBu	..
CF ₃	CN	Cl	NCOPh	..
CF ₃	CN	Cl	NSO ₂ Me	..
CF ₃	CN	Cl	NSO ₂ Et	..
CF ₃	CN	Cl	NSO ₂ Pr	..
CF ₃	CN	Cl	NSO ₂ Ph	..
CF ₃	CN	Cl	NSO ₂ iPr	..
CF ₃	CN	Cl	NNO ₂	..
CF ₃	CN	Cl	NCOOMe	..
CF ₃	CN	Cl	NCOOEt	..
CF ₃	CN	Cl	NCOOPr	..
CF ₃	CN	Cl	NCOOiPr	..
CF ₃	CN	Cl	NCONHEt	..
CF ₃	CN	Cl	NCONHPr	..
CF ₃	CN	Cl	NCONH ₂	..
CF ₃	CN	Cl	NCONHMe	..
CF ₃	CN	Cl	NCN	..
CF ₃	CN	Cl	NCOSMe	..
CF ₃	CN	Cl	NCOSEt	..
CF ₃	CN	Cl	NCSOMe	..
CF ₃	CN	Cl	NCSOEt	..
CF ₃	CN	Cl	NCSOPr	..
CF ₃	CN	Cl	NSO ₂ NH ₂	..
CF ₃	CN	Cl	NSO ₂ NHMe	..

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CF ₃	CN	Cl	NSO ₂ NMe ₂	..
CF ₃	CN	Cl	NP(O)(OMe) ₂	..
CF ₃	CN	Cl	NP(O)(OEt) ₂	..
CF ₃	CN	Cl	NP(O)Me ₂	..
CF ₃	CN	Cl	NP(O)Et ₂	..
CF ₃	CN	Cl	NP(O)Me(OMe)	..
CF ₃	CN	Cl	NP(O)(OPr) ₂	..
CF ₃	CN	Cl	NC(O)C(O)H	..
CF ₃	CN	Cl	NC(O)C(O)Me	..
CF ₃	CN	Cl	NC(O)C(O)OMe	..
CF ₃	CN	Cl	NC(O)C(O)OEt	..
CF ₃	CN	Cl	NC(O)C(O)NH ₂	..
CF ₃	CN	Cl	NC(O)C(O)OH	..
CF ₃	CN	Cl	NC(NH)NH ₂	..
CF ₃	CN	Cl	NC(NOH)NH ₂	..
CF ₃	CN	Cl	NC(NH)NHMe	..
CF ₃	CN	Cl	NC(NH)NMe ₂	..
CF ₃	CN	Cl	NC(NH)OMe	..
CF ₃	CN	Cl	NC(NH)OEt	..
CF ₃	CN	Cl	NCOMe	O
CF ₃	CN	Cl	NCOEt	O
CF ₃	CN	Cl	NCOPr	O
CF ₃	CN	Cl	NCHO	O
CF ₃	CN	Cl	NCOiPr	O
CF ₃	CN	Cl	NCOtBu	O
CF ₃	CN	Cl	NCOPh	O
CF ₃	CN	Cl	NSO ₂ Me	O
CF ₃	CN	Cl	NSO ₂ Et	O

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CF ₃	CN	Cl	NSO ₂ Pr	O
CF ₃	CN	Cl	NSO ₂ Ph	O
CF ₃	CN	Cl	NSO ₂ iPr	O
CF ₃	CN	Cl	NNO ₂	O
CF ₃	CN	Cl	NCOOMe	O
CF ₃	CN	Cl	NCOOEt	O
CF ₃	CN	Cl	NCOOPr	O
CF ₃	CN	Cl	NCOOiPr	O
CF ₃	CN	Cl	NCONHEt	O
CF ₃	CN	Cl	NCONHPr	O
CF ₃	CN	Cl	NCONH ₂	O
CF ₃	CN	Cl	NCONHMe	O
CF ₃	CN	Cl	NCN	O
CF ₃	CN	Cl	NCOSMe	O
CF ₃	CN	Cl	NCOSEt	O
CF ₃	CN	Cl	NCSOMe	O
CF ₃	CN	Cl	NCSOEt	O
CF ₃	CN	Cl	NCSOPr	O
CF ₃	CN	Cl	NSO ₂ NH ₂	O
CF ₃	CN	Cl	NSO ₂ NHMe	O
CF ₃	CN	Cl	NSO ₂ NMe ₂	O
CF ₃	CN	Cl	NP(O)(OMe) ₂	O
CF ₃	CN	Cl	NP(O)(OEt) ₂	O
CF ₃	CN	Cl	NP(O)Me ₂	O
CF ₃	CN	Cl	NP(O)Et ₂	O
CF ₃	CN	Cl	NP(O)Me(OMe)	O
CF ₃	CN	Cl	NP(O)(OPr) ₂	O
CF ₃	CN	Cl	NC(O)C(O)H	O

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CF ₃	CN	Cl	NC(O)C(O)Me	O
CF ₃	CN	Cl	NC(O)C(O)OMe	O
CF ₃	CN	Cl	NC(O)C(O)OEt	O
CF ₃	CN	Cl	NC(O)C(O)NH ₂	O
CF ₃	CN	Cl	NC(O)C(O)OH	O
CF ₃	CN	Cl	NC(NH)NH ₂	O
CF ₃	CN	Cl	NC(NOH)NH ₂	O
CF ₃	CN	Cl	NC(NH)NHMe	O
CF ₃	CN	Cl	NC(NH)NMe ₂	O
CF ₃	CN	Cl	NC(NH)OMe	O
CF ₃	CN	Cl	NC(NH)OEt	O

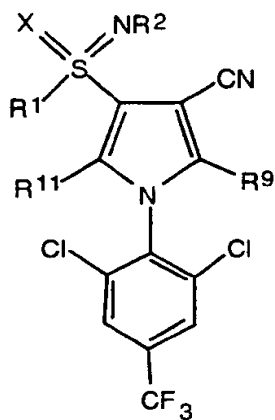
159
TABLE 4

5

10

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R¹	R⁹	R¹¹	NR²	X
CF ₃	H	H	NCOMe	..
CF ₃	H	H	NCOEt	..
CF ₃	H	H	NCOPr	..
CF ₃	H	H	NCHO	..
CF ₃	H	H	NCOiPr	..
CF ₃	H	H	NCOtBu	..
CF ₃	H	H	NCOPh	..
CF ₃	H	H	NSO ₂ Me	..
CF ₃	H	H	NSO ₂ Et	..
CF ₃	H	H	NSO ₂ Pr	..
CF ₃	H	H	NSO ₂ Ph	..
CF ₃	H	H	NSO ₂ iPr	..

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CF ₃	H	H	NNO ₂	..
CF ₃	H	H	NCOOMe	..
CF ₃	H	H	NCOOEt	..
CF ₃	H	H	NCOOPr	..

TABLE 4, Continued

R^1	R^9	R^{11}	NR^2	X
CF ₃	H	H	NCOOiPr	..
CF ₃	H	H	NCONHEt	..
CF ₃	H	H	NCONHPr	..
CF ₃	H	H	NCONH ₂	..
CF ₃	H	H	NCONHMe	..
CF ₃	H	H	NCN	..
CF ₃	H	H	NCOSMe	..
CF ₃	H	H	NCOSEt	..
CF ₃	H	H	NCSOMe	..
CF ₃	H	H	NCSOEt	..
CF ₃	H	H	NCSOPr	..
CF ₃	H	H	NSO ₂ NH ₂	..
CF ₃	H	H	NSO ₂ NHMe	..
CF ₃	H	H	NSO ₂ NMe ₂	..
CF ₃	H	H	NP(O)(OMe) ₂	..
CF ₃	H	H	NP(O)(OEt) ₂	..
CF ₃	H	H	NP(O)Me ₂	..
CF ₃	H	H	NP(O)Et ₂	..
CF ₃	H	H	NP(O)Me(OMe)	..
CF ₃	H	H	NP(O)(OPr) ₂	..
CF ₃	H	H	NC(O)C(O)H	..
CF ₃	H	H	NC(O)C(O)Me	..
CF ₃	H	H	NC(O)C(O)OMe	..
CF ₃	H	H	NC(O)C(O)OEt	..

162

CF ₃	H	H	NC(O)C(O)NH ₂	..
CF ₃	H	H	NC(O)C(O)OH	..
CF ₃	H	H	NC(NH)NH ₂	..
CF ₃	H	H	NC(NO ₂)NH ₂	..
CF ₃	H	H	NC(NH)NHMe	..
CF ₃	H	H	NC(NH)NMe ₂	..
CF ₃	H	H	NC(NH)OMe	..
CF ₃	H	H	NC(NH)OEt	..
CF ₃	Cl	H	NCOMe	..
CF ₃	Cl	H	NCOEt	..
CF ₃	Cl	H	NCOPr	..
CF ₃	Cl	H	NCHO	..
CF ₃	Cl	H	NCOiPr	..
CF ₃	Cl	H	NCOtBu	..
CF ₃	Cl	H	NCOPh	..
CF ₃	Cl	H	NSO ₂ Me	..
CF ₃	Cl	H	NSO ₂ Et	..
CF ₃	Cl	H	NSO ₂ Pr	..
CF ₃	Cl	H	NSO ₂ Ph	..
CF ₃	Cl	H	NSO ₂ iPr	..
CF ₃	Cl	H	NNO ₂	..
CF ₃	Cl	H	NCOOMe	..
CF ₃	Cl	H	NCOOEt	..
CF ₃	Cl	H	NCOOPr	..
CF ₃	Cl	H	NCOOiPr	..
CF ₃	Cl	H	NCONHEt	..
CF ₃	Cl	H	NCONHPr	..
CF ₃	Cl	H	NCONH ₂	..

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CF ₃	Cl	H	NCONHMe
CF ₃	Cl	H	NCN
CF ₃	Cl	H	NCOSMe
CF ₃	Cl	H	NCOSEt
CF ₃	Cl	H	NCSOMe
CF ₃	Cl	H	NCSOEt
CF ₃	Cl	H	NCSOPr
CF ₃	Cl	H	NSO ₂ NH ₂
CF ₃	Cl	H	NSO ₂ NHMe
CF ₃	Cl	H	NSO ₂ NMe ₂
CF ₃	Cl	H	NP(O)(OMe) ₂
CF ₃	Cl	H	NP(O)(OEt) ₂
CF ₃	Cl	H	NP(O)Me ₂
CF ₃	Cl	H	NP(O)Et ₂
CF ₃	Cl	H	NP(O)Me(OMe)
CF ₃	Cl	H	NP(O)(OPr) ₂
CF ₃	Cl	H	NC(O)C(O)H
CF ₃	Cl	H	NC(O)C(O)Me
CF ₃	Cl	H	NC(O)C(O)OMe
CF ₃	Cl	H	NC(O)C(O)OEt
CF ₃	Cl	H	NC(O)C(O)NH ₂
CF ₃	Cl	H	NC(O)C(O)OH
CF ₃	Cl	H	NC(NH)NH ₂
CF ₃	Cl	H	NC(NOH)NH ₂
CF ₃	Cl	H	NC(NH)NHMe
CF ₃	Cl	H	NC(NH)NMe ₂
CF ₃	Cl	H	NC(NH)OMe
CF ₃	Cl	H	NC(NH)OEt

164

CF ₃	Cl	Me	NCOMe	..
CF ₃	Cl	Me	NCOEt	..
CF ₃	Cl	Me	NCOPr	..
CF ₃	Cl	Me	NCHO	..
CF ₃	Cl	Me	NCOiPr	..
CF ₃	Cl	Me	NCOtBu	..
CF ₃	Cl	Me	NCOPh	..
CF ₃	Cl	Me	NSO ₂ Me	..
CF ₃	Cl	Me	NSO ₂ Et	..
CF ₃	Cl	Me	NSO ₂ Pr	..
CF ₃	Cl	Me	NSO ₂ Ph	..
CF ₃	Cl	Me	NSO ₂ iPr	..
CF ₃	Cl	Me	NNO ₂	..
CF ₃	Cl	Me	NCOOMe	..
CF ₃	Cl	Me	NCOOEt	..
CF ₃	Cl	Me	NCOOPr	..
CF ₃	Cl	Me	NCOOiPr	..
CF ₃	Cl	Me	NCONHEt	..
CF ₃	Cl	Me	NCONHPr	..
CF ₃	Cl	Me	NCONH ₂	..
CF ₃	Cl	Me	NCONHMe	..
CF ₃	Cl	Me	NCN	..
CF ₃	Cl	Me	NCOSMe	..
CF ₃	Cl	Me	NCOS ₂ Et	..
CF ₃	Cl	Me	NCSOMe	..
CF ₃	Cl	Me	NCSOEt	..
CF ₃	Cl	Me	NCSOPr	..
CF ₃	Cl	Me	NSO ₂ NH ₂	..

165

CF ₃	Cl	Me	NSO ₂ NHMe	..
CF ₃	Cl	Me	NSO ₂ NMe ₂	..
CF ₃	Cl	Me	NP(O)(OMe) ₂	..
CF ₃	Cl	Me	NP(O)(OEt) ₂	..
CF ₃	Cl	Me	NP(O)Me ₂	..
CF ₃	Cl	Me	NP(O)Et ₂	..
CF ₃	Cl	Me	NP(O)Me(OMe)	..
CF ₃	Cl	Me	NP(O)(OPr) ₂	..
CF ₃	Cl	Me	NC(O)C(O)H	..
CF ₃	Cl	Me	NC(O)C(O)Me	..
CF ₃	Cl	Me	NC(O)C(O)OMe	..
CF ₃	Cl	Me	NC(O)C(O)OEt	..
CF ₃	Cl	Me	NC(O)C(O)NH ₂	..
CF ₃	Cl	Me	NC(O)C(O)OH	..
CF ₃	Cl	Me	NC(NH)NH ₂	..
CF ₃	Cl	Me	NC(NO ₂)NH ₂	..
CF ₃	Cl	Me	NC(NH)NHMe	..
CF ₃	Cl	Me	NC(NH)NMe ₂	..
CF ₃	Cl	Me	NC(NH)OMe	..
CF ₃	Cl	Me	NC(NH)OEt	..
CF ₃	Cl	SMe	NCOMe	..
CF ₃	Cl	SMe	NCOEt	..
CF ₃	Cl	SMe	NCOPr	..
CF ₃	Cl	SMe	NCHO	..
CF ₃	Cl	SMe	NCOiPr	..
CF ₃	Cl	SMe	NCOtBu	..
CF ₃	Cl	SMe	NCOPh	..
CF ₃	Cl	SMe	NSO ₂ Me	..

166

CF ₃	Cl	SMe	NSO ₂ Et	..
CF ₃	Cl	SMe	NSO ₂ Pr	..
CF ₃	Cl	SMe	NSO ₂ Ph	..
CF ₃	Cl	SMe	NSO ₂ iPr	..
CF ₃	Cl	SMe	NNO ₂	..
CF ₃	Cl	SMe	NCOOMe	..
CF ₃	Cl	SMe	NCOOEt	..
CF ₃	Cl	SMe	NCOOPr	..
CF ₃	Cl	SMe	NCOOiPr	..
CF ₃	Cl	SMe	NCONHEt	..
CF ₃	Cl	SMe	NCONHPr	..
CF ₃	Cl	SMe	NCONH ₂	..
CF ₃	Cl	SMe	NCONHMe	..
CF ₃	Cl	SMe	NCN	..
CF ₃	Cl	SMe	NCOSMe	..
CF ₃	Cl	SMe	NCOSMe	..
CF ₃	Cl	SMe	NCSOMe	..
CF ₃	Cl	SMe	NCSOEt	..
CF ₃	Cl	SMe	NCSOPr	..
CF ₃	Cl	SMe	NSO ₂ NH ₂	..
CF ₃	Cl	SMe	NSO ₂ NHMe	..
CF ₃	Cl	SMe	NSO ₂ NMe ₂	..
CF ₃	Cl	SMe	NP(O)(OMe) ₂	..
CF ₃	Cl	SMe	NP(O)(OEt) ₂	..
CF ₃	Cl	SMe	NP(O)Me ₂	..
CF ₃	Cl	SMe	NP(O)Et ₂	..
CF ₃	Cl	SMe	NP(O)Me(OMe)	..
CF ₃	Cl	SMe	NP(O)(OPr) ₂	..

167

CF ₃	Cl	SMe	NC(O)C(O)H	..
CF ₃	Cl	SMe	NC(O)C(O)Me	..
CF ₃	Cl	SMe	NC(O)C(O)OMe	..
CF ₃	Cl	SMe	NC(O)C(O)OEt	..
CF ₃	Cl	SMe	NC(O)C(O)NH ₂	..
CF ₃	Cl	SMe	NC(O)C(O)OH	..
CF ₃	Cl	SMe	NC(NH)NH ₂	..
CF ₃	Cl	SMe	NC(NOH)NH ₂	..
CF ₃	Cl	SMe	NC(NH)NHMe	..
CF ₃	Cl	SMe	NC(NH)NMe ₂	..
CF ₃	Cl	SMe	NC(NH)OMe	..
CF ₃	Cl	SMe	NC(NH)OEt	..
CF ₃	H	Me	NCOMe	..
CF ₃	H	Me	NCOEt	..
CF ₃	H	Me	NCOPr	..
CF ₃	H	Me	NCHO	..
CF ₃	H	Me	NCOiPr	..
CF ₃	H	Me	NCOtBu	..
CF ₃	H	Me	NCOPh	..
CF ₃	H	Me	NSO ₂ Me	..
CF ₃	H	Me	NSO ₂ Et	..
CF ₃	H	Me	NSO ₂ Pr	..
CF ₃	H	Me	NSO ₂ Ph	..
CF ₃	H	Me	NSO ₂ iPr	..
CF ₃	H	Me	NNO ₂	..
CF ₃	H	Me	NCOOMe	..
CF ₃	H	Me	NCOOEt	..
CF ₃	H	Me	NCOOPr	..

168

CF ₃	H	Me	NCOOiPr	..
CF ₃	H	Me	NCONHEt	..
CF ₃	H	Me	NCONHPr	..
CF ₃	H	Me	NCONH ₂	..
CF ₃	H	Me	NCONHMe	..
CF ₃	H	Me	NCN	..
CF ₃	H	Me	NCOSMe	..
CF ₃	H	Me	NCOSEt	..
CF ₃	H	Me	NCSOMe	..
CF ₃	H	Me	NCSOEt	..
CF ₃	H	Me	NCSOPr	..
CF ₃	H	Me	NSO ₂ NH ₂	..
CF ₃	H	Me	NSO ₂ NHMe	..
CF ₃	H	Me	NSO ₂ NMe ₂	..
CF ₃	H	Me	NP(O)(OMe) ₂	..
CF ₃	H	Me	NP(O)(OEt) ₂	..
CF ₃	H	Me	NP(O)Me ₂	..
CF ₃	H	Me	NP(O)Et ₂	..
CF ₃	H	Me	NP(O)Me(OMe)	..
CF ₃	H	Me	NP(O)(OPr) ₂	..
CF ₃	H	Me	NC(O)C(O)H	..
CF ₃	H	Me	NC(O)C(O)Me	..
CF ₃	H	Me	NC(O)C(O)OMe	..
CF ₃	H	Me	NC(O)C(O)OEt	..
CF ₃	H	Me	NC(O)C(O)NH ₂	..
CF ₃	H	Me	NC(O)C(O)OH	..
CF ₃	H	Me	NC(NH)NH ₂	..
CF ₃	H	Me	NC(NO)NH ₂	..

169

CF ₃	H	Me	NC(NH)NHMe	..
CF ₃	H	Me	NC(NH)NMe ₂	..
CF ₃	H	Me	NC(NH)OMe	..
CF ₃	H	Me	NC(NH)OEt	..
CF ₃	H	SMe	NCOMe	..
CF ₃	H	SMe	NCOEt	..
CF ₃	H	SMe	NCOPr	..
CF ₃	H	SMe	NCHO	..
CF ₃	H	SMe	NCOiPr	..
CF ₃	H	SMe	NCOtBu	..
CF ₃	H	SMe	NCOPh	..
CF ₃	H	SMe	NSO ₂ Me	..
CF ₃	H	SMe	NSO ₂ Et	..
CF ₃	H	SMe	NSO ₂ Pr	..
CF ₃	H	SMe	NSO ₂ Ph	..
CF ₃	H	SMe	NSO ₂ iPr	..
CF ₃	H	SMe	NNO ₂	..
CF ₃	H	SMe	NCOOMe	..
CF ₃	H	SMe	NCOOEt	..
CF ₃	H	SMe	NCOOPr	..
CF ₃	H	SMe	NCOOiPr	..
CF ₃	H	SMe	NCONHEt	..
CF ₃	H	SMe	NCONHPr	..
CF ₃	H	SMe	NCONH ₂	..
CF ₃	H	SMe	NCONHMe	..
CF ₃	H	SMe	NCN	..
CF ₃	H	SMe	NCOSMe	..
CF ₃	H	SMe	NCOSEt	..

170

CF ₃	H	SMe	NCSOMe	..
CF ₃	H	SMe	NCSOEt	..
CF ₃	H	SMe	NCSOPr	..
CF ₃	H	SMe	NSO ₂ NH ₂	..
CF ₃	H	SMe	NSO ₂ NHMe	..
CF ₃	H	SMe	NSO ₂ NMe ₂	..
CF ₃	H	SMe	NP(O)(OMe) ₂	..
CF ₃	H	SMe	NP(O)(OEt) ₂	..
CF ₃	H	SMe	NP(O)Me ₂	..
CF ₃	H	SMe	NP(O)Et ₂	..
CF ₃	H	SMe	NP(O)Me(OMe)	..
CF ₃	H	SMe	NP(O)(OPr) ₂	..
CF ₃	H	SMe	NC(O)C(O)H	..
CF ₃	H	SMe	NC(O)C(O)Me	..
CF ₃	H	SMe	NC(O)C(O)OMe	..
CF ₃	H	SMe	NC(O)C(O)OEt	..
CF ₃	H	SMe	NC(O)C(O)NH ₂	..
CF ₃	H	SMe	NC(O)C(O)OH	..
CF ₃	H	SMe	NC(NH)NH ₂	..
CF ₃	H	SMe	NC(NOH)NH ₂	..
CF ₃	H	SMe	NC(NH)NHMe	..
CF ₃	H	SMe	NC(NH)NMe ₂	..
CF ₃	H	SMe	NC(NH)OMe	..
CF ₃	H	SMe	NC(NH)OEt	..
CF ₃	Me	H	NCOMe	..
CF ₃	Me	H	NCOEt	..
CF ₃	Me	H	NCOPr	..
CF ₃	Me	H	NCHO	..

171

CF ₃	Me	H	NCOiPr	..
CF ₃	Me	H	NCOtBu	..
CF ₃	Me	H	NCOPh	..
CF ₃	Me	H	NSO ₂ Me	..
CF ₃	Me	H	NSO ₂ Et	..
CF ₃	Me	H	NSO ₂ Pr	..
CF ₃	Me	H	NSO ₂ Ph	..
CF ₃	Me	H	NSO ₂ iPr	..
CF ₃	Me	H	NNO ₂	..
CF ₃	Me	H	NCOOMe	..
CF ₃	Me	H	NCOOEt	..
CF ₃	Me	H	NCOOPr	..
CF ₃	Me	H	NCOOiPr	..
CF ₃	Me	H	NCONHEt	..
CF ₃	Me	H	NCONHPr	..
CF ₃	Me	H	NCONH ₂	..
CF ₃	Me	H	NCONHMe	..
CF ₃	Me	H	NCN	..
CF ₃	Me	H	NCOSMe	..
CF ₃	Me	H	NCOSEt	..
CF ₃	Me	H	NCSOMe	..
CF ₃	Me	H	NCSOEt	..
CF ₃	Me	H	NCSOPr	..
CF ₃	Me	H	NSO ₂ NH ₂	..
CF ₃	Me	H	NSO ₂ NHMe	..
CF ₃	Me	H	NSO ₂ NMe ₂	..
CF ₃	Me	H	NP(O)(OMe) ₂	..
CF ₃	Me	H	NP(O)(OEt) ₂	..

172

CF ₃	Me	H	NP(O)Me ₂	..
CF ₃	Me	H	NP(O)Et ₂	..
CF ₃	Me	H	NP(O)Me(OMe)	..
CF ₃	Me	H	NP(O)(OPr) ₂	..
CF ₃	Me	H	NC(O)C(O)H	..
CF ₃	Me	H	NC(O)C(O)Me	..
CF ₃	Me	H	NC(O)C(O)OMe	..
CF ₃	Me	H	NC(O)C(O)OEt	..
CF ₃	Me	H	NC(O)C(O)NH ₂	..
CF ₃	Me	H	NC(O)C(O)OH	..
CF ₃	Me	H	NC(NH)NH ₂	..
CF ₃	Me	H	NC(NOH)NH ₂	..
CF ₃	Me	H	NC(NH)NHMe	..
CF ₃	Me	H	NC(NH)NMe ₂	..
CF ₃	Me	H	NC(NH)OMe	..
CF ₃	Me	H	NC(NH)OEt	..
CF ₃	Me	Me	NCOMe	..
CF ₃	Me	Me	NCOEt	..
CF ₃	Me	Me	NCOPr	..
CF ₃	Me	Me	NCHO	..
CF ₃	Me	Me	NCOiPr	..
CF ₃	Me	Me	NCOtBu	..
CF ₃	Me	Me	NCOPh	..
CF ₃	Me	Me	NSO ₂ Me	..
CF ₃	Me	Me	NSO ₂ Et	..
CF ₃	Me	Me	NSO ₂ Pr	..
CF ₃	Me	Me	NSO ₂ Ph	..
CF ₃	Me	Me	NSO ₂ iPr	..

173

CF ₃	Me	Me	NNO ₂	..
CF ₃	Me	Me	NCOOMe	..
CF ₃	Me	Me	NCOOEt	..
CF ₃	Me	Me	NCOOPr	..
CF ₃	Me	Me	NCOOiPr	..
CF ₃	Me	Me	NCONHEt	..
CF ₃	Me	Me	NCONHPr	..
CF ₃	Me	Me	NCONH ₂	..
CF ₃	Me	Me	NCONHMe	..
CF ₃	Me	Me	NCN	..
CF ₃	Me	Me	NCOSMe	..
CF ₃	Me	Me	NCOSMe	..
CF ₃	Me	Me	NCSOEt	..
CF ₃	Me	Me	NCSOEt	..
CF ₃	Me	Me	NCSOPr	..
CF ₃	Me	Me	NSO ₂ NH ₂	..
CF ₃	Me	Me	NSO ₂ NHMe	..
CF ₃	Me	Me	NSO ₂ NMe ₂	..
CF ₃	Me	Me	NP(O)(OMe) ₂	..
CF ₃	Me	Me	NP(O)(OEt) ₂	..
CF ₃	Me	Me	NP(O)Me ₂	..
CF ₃	Me	Me	NP(O)Et ₂	..
CF ₃	Me	Me	NP(O)Me(OMe)	..
CF ₃	Me	Me	NP(O)(OPr) ₂	..
CF ₃	Me	Me	NC(O)C(O)H	..
CF ₃	Me	Me	NC(O)C(O)Me	..
CF ₃	Me	Me	NC(O)C(O)OMe	..
CF ₃	Me	Me	NC(O)C(O)OEt	..

174

CF ₃	Me	Me	NC(O)C(O)NH ₂	..
CF ₃	Me	Me	NC(O)C(O)OH	..
CF ₃	Me	Me	NC(NH)NH ₂	..
CF ₃	Me	Me	NC(NOH)NH ₂	..
CF ₃	Me	Me	NC(NH)NHMe	..
CF ₃	Me	Me	NC(NH)NMe ₂	..
CF ₃	Me	Me	NC(NH)OMe	..
CF ₃	Me	Me	NC(NH)OEt	..
Me	H	H	NCOMe	..
Me	H	H	NCOEt	..
Me	H	H	NCOPr	..
Me	H	H	NCHO	..
Me	H	H	NCOiPr	..
Me	H	H	NCOtBu	..
Me	H	H	NCOPh	..
Me	H	H	NSO ₂ Me	..
Me	H	H	NSO ₂ Et	..
Me	H	H	NSO ₂ Pr	..
Me	H	H	NSO ₂ Ph	..
Me	H	H	NSO ₂ iPr	..
Me	H	H	NNO ₂	..
Me	H	H	NCOOMe	..
Me	H	H	NCOOEt	..
Me	H	H	NCOOPr	..
Me	H	H	NCOOiPr	..
Me	H	H	NCONHEt	..
Me	H	H	NCONHPr	..
Me	H	H	NCONH ₂	..

175

Me	H	H	NCONHMe	..
Me	H	H	NCN	..
Me	H	H	NCOSMe	..
Me	H	H	NCOSEt	..
Me	H	H	NCSOMe	..
Me	H	H	NCSOEt	..
Me	H	H	NCSOPr	..
Me	H	H	NSO ₂ NH ₂	..
Me	H	H	NSO ₂ NHMe	..
Me	H	H	NSO ₂ NMe ₂	..
Me	H	H	NP(O)(OMe) ₂	..
Me	H	H	NP(O)(OEt) ₂	..
Me	H	H	NP(O)Me ₂	..
Me	H	H	NP(O)Et ₂	..
Me	H	H	NP(O)Me(OMe)	..
Me	H	H	NP(O)(OPr) ₂	..
Me	H	H	NC(O)C(O)H	..
Me	H	H	NC(O)C(O)Me	..
Me	H	H	NC(O)C(O)OMe	..
Me	H	H	NC(O)C(O)OEt	..
Me	H	H	NC(O)C(O)NH ₂	..
Me	H	H	NC(O)C(O)OH	..
Me	H	H	NC(NH)NH ₂	..
Me	H	H	NC(NOH)NH ₂	..
Me	H	H	NC(NH)NHMe	..
Me	H	H	NC(NH)NMe ₂	..
Me	H	H	NC(NH)OMe	..
Me	H	H	NC(NH)OEt	..

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Me	Cl	H	NCOMe	..
Me	Cl	H	NCOEt	..
Me	Cl	H	NCOPr	..
Me	Cl	H	NCHO	..
Me	Cl	H	NCOiPr	..
Me	Cl	H	NCOtBu	..
Me	Cl	H	NCOPh	..
Me	Cl	H	NSO ₂ Me	..
Me	Cl	H	NSO ₂ Et	..
Me	Cl	H	NSO ₂ Pr	..
Me	Cl	H	NSO ₂ Ph	..
Me	Cl	H	NSO ₂ iPr	..
Me	Cl	H	NNO ₂	..
Me	Cl	H	NCOOMe	..
Me	Cl	H	NCOOEt	..
Me	Cl	H	NCOOPr	..
Me	Cl	H	NCOOiPr	..
Me	Cl	H	NCONHEt	..
Me	Cl	H	NCONHPr	..
Me	Cl	H	NCONH ₂	..
Me	Cl	H	NCONHMe	..
Me	Cl	H	NCN	..
Me	Cl	H	NCOSMe	..
Me	Cl	H	NCOSEt	..
Me	Cl	H	NCSOMe	..
Me	Cl	H	NCSOEt	..
Me	Cl	H	NCSOPr	..
Me	Cl	H	NSO ₂ NH ₂	..

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Me	Cl	H	NSO ₂ NHMe
Me	Cl	H	NSO ₂ NMe ₂
Me	Cl	H	NP(O)(OMe) ₂
Me	Cl	H	NP(O)(OEt) ₂
Me	Cl	H	NP(O)Me ₂
Me	Cl	H	NP(O)Et ₂
Me	Cl	H	NP(O)Me(OMe)
Me	Cl	H	NP(O)(OPr) ₂
Me	Cl	H	NC(O)C(O)H
Me	Cl	H	NC(O)C(O)Me
Me	Cl	H	NC(O)C(O)OMe
Me	Cl	H	NC(O)C(O)OEt
Me	Cl	H	NC(O)C(O)NH ₂
Me	Cl	H	NC(O)C(O)OH
Me	Cl	H	NC(NH)NH ₂
Me	Cl	H	NC(NOH)NH ₂
Me	Cl	H	NC(NH)NHMe
Me	Cl	H	NC(NH)NMe ₂
Me	Cl	H	NC(NH)OMe
Me	Cl	H	NC(NH)OEt
Me	Cl	Me	NCOMe
Me	Cl	Me	NCOEt
Me	Cl	Me	NCOPr
Me	Cl	Me	NCHO
Me	Cl	Me	NCOiPr
Me	Cl	Me	NCOtBu
Me	Cl	Me	NCOPh
Me	Cl	Me	NSO ₂ Me

178

Me	Cl	Me	NSO ₂ Et	..
Me	Cl	Me	NSO ₂ Pr	..
Me	Cl	Me	NSO ₂ Ph	..
Me	Cl	Me	NSO ₂ iPr	..
Me	Cl	Me	NNO ₂	..
Me	Cl	Me	NCOOMe	..
Me	Cl	Me	NCOOEt	..
Me	Cl	Me	NCOOPr	..
Me	Cl	Me	NCOOiPr	..
Me	Cl	Me	NCONHEt	..
Me	Cl	Me	NCONHPr	..
Me	Cl	Me	NCONH ₂	..
Me	Cl	Me	NCONHMe	..
Me	Cl	Me	NCN	..
Me	Cl	Me	NCOSMe	..
Me	Cl	Me	NCOSEt	..
Me	Cl	Me	NCSOMe	..
Me	Cl	Me	NCSOEt	..
Me	Cl	Me	NCSOPr	..
Me	Cl	Me	NSO ₂ NH ₂	..
Me	Cl	Me	NSO ₂ NHMe	..
Me	Cl	Me	NSO ₂ NMe ₂	..
Me	Cl	Me	NP(O)(OMe) ₂	..
Me	Cl	Me	NP(O)(OEt) ₂	..
Me	Cl	Me	NP(O)Me ₂	..
Me	Cl	Me	NP(O)Et ₂	..
Me	Cl	Me	NP(O)Me(OMe)	..
Me	Cl	Me	NP(O)(OPr) ₂	..

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Me	Cl	Me	NC(O)C(O)H	..
Me	Cl	Me	NC(O)C(O)Me	..
Me	Cl	Me	NC(O)C(O)OMe	..
Me	Cl	Me	NC(O)C(O)OEt	..
Me	Cl	Me	NC(O)C(O)NH ₂	..
Me	Cl	Me	NC(O)C(O)OH	..
Me	Cl	Me	NC(NH)NH ₂	..
Me	Cl	Me	NC(NOH)NH ₂	..
Me	Cl	Me	NC(NH)NHMe	..
Me	Cl	Me	NC(NH)NMe ₂	..
Me	Cl	Me	NC(NH)OMe	..
Me	Cl	Me	NC(NH)OEt	..
Me	Cl	SMe	NCOMe	..
Me	Cl	SMe	NCOEt	..
Me	Cl	SMe	NCOPr	..
Me	Cl	SMe	NCHO	..
Me	Cl	SMe	NCOiPr	..
Me	Cl	SMe	NCOtBu	..
Me	Cl	SMe	NCOPh	..
Me	Cl	SMe	NSO ₂ Me	..
Me	Cl	SMe	NSO ₂ Et	..
Me	Cl	SMe	NSO ₂ Pr	..
Me	Cl	SMe	NSO ₂ Ph	..
Me	Cl	SMe	NSO ₂ iPr	..
Me	Cl	SMe	NNO ₂	..
Me	Cl	SMe	NCOOMe	..
Me	Cl	SMe	NCOOEt	..
Me	Cl	SMe	NCOOPr	..

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Me	Cl	SMe	NCOOiPr	..
Me	Cl	SMe	NCONHEt	..
Me	Cl	SMe	NCONHPr	..
Me	Cl	SMe	NCONH ₂	..
Me	Cl	SMe	NCONHMe	..
Me	Cl	SMe	NCN	..
Me	Cl	SMe	NCOSMe	..
Me	Cl	SMe	NCOSEt	..
Me	Cl	SMe	NCSOMe	..
Me	Cl	SMe	NCSOEt	..
Me	Cl	SMe	NCSOPr	..
Me	Cl	SMe	NSO ₂ NH ₂	..
Me	Cl	SMe	NSO ₂ NHMe	..
Me	Cl	SMe	NSO ₂ NMe ₂	..
Me	Cl	SMe	NP(O)(OMe) ₂	..
Me	Cl	SMe	NP(O)(OEt) ₂	..
Me	Cl	SMe	NP(O)Me ₂	..
Me	Cl	SMe	NP(O)Et ₂	..
Me	Cl	SMe	NP(O)Me(OMe)	..
Me	Cl	SMe	NP(O)(OPr) ₂	..
Me	Cl	SMe	NC(O)C(O)H	..
Me	Cl	SMe	NC(O)C(O)Me	..
Me	Cl	SMe	NC(O)C(O)OMe	..
Me	Cl	SMe	NC(O)C(O)OEt	..
Me	Cl	SMe	NC(O)C(O)NH ₂	..
Me	Cl	SMe	NC(O)C(O)OH	..
Me	Cl	SMe	NC(NH)NH ₂	..
Me	Cl	SMe	NC(NOH)NH ₂	..

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Me	Cl	SMe	NC(NH)NHMe	..
Me	Cl	SMe	NC(NH)NMe ₂	..
Me	Cl	SMe	NC(NH)OMe	..
Me	Cl	SMe	NC(NH)OEt	..
Me	H	Me	NCOMe	..
Me	H	Me	NCOEt	..
Me	H	Me	NCOPr	..
Me	H	Me	NCHO	..
Me	H	Me	NCOiPr	..
Me	H	Me	NCOtBu	..
Me	H	Me	NCOPh	..
Me	H	Me	NSO ₂ Me	..
Me	H	Me	NSO ₂ Et	..
Me	H	Me	NSO ₂ Pr	..
Me	H	Me	NSO ₂ Ph	..
Me	H	Me	NSO ₂ iPr	..
Me	H	Me	NNO ₂	..
Me	H	Me	NCOOMe	..
Me	H	Me	NCOOEt	..
Me	H	Me	NCOOPr	..
Me	H	Me	NCOOiPr	..
Me	H	Me	NCONHEt	..
Me	H	Me	NCONHPr	..
Me	H	Me	NCONH ₂	..
Me	H	Me	NCONHMe	..
Me	H	Me	NCN	..
Me	H	Me	NCOSMe	..
Me	H	Me	NCOSEt	..

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Me	H	Me	NCSOMe	..
Me	H	Me	NCSOEt	..
Me	H	Me	NCSOPr	..
Me	H	Me	NSO ₂ NH ₂	..
Me	H	Me	NSO ₂ NHMe	..
Me	H	Me	NSO ₂ NMe ₂	..
Me	H	Me	NP(O)(OMe) ₂	..
Me	H	Me	NP(O)(OEt) ₂	..
Me	H	Me	NP(O)Me ₂	..
Me	H	Me	NP(O)Et ₂	..
Me	H	Me	NP(O)Me(OMe)	..
Me	H	Me	NP(O)(OPr) ₂	..
Me	H	Me	NC(O)C(O)H	..
Me	H	Me	NC(O)C(O)Me	..
Me	H	Me	NC(O)C(O)OMe	..
Me	H	Me	NC(O)C(O)OEt	..
Me	H	Me	NC(O)C(O)NH ₂	..
Me	H	Me	NC(O)C(O)OH	..
Me	H	Me	NC(NH)NH ₂	..
Me	H	Me	NC(NOH)NH ₂	..
Me	H	Me	NC(NH)NHMe	..
Me	H	Me	NC(NH)NMe ₂	..
Me	H	Me	NC(NH)OMe	..
Me	H	Me	NC(NH)OEt	..
Me	H	SMe	NCOMe	..
Me	H	SMe	NCOEt	..
Me	H	SMe	NCOPr	..
Me	H	SMe	NCHO	..

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Me	H	SMe	NCOiPr	..
Me	H	SMe	NCOtBu	..
Me	H	SMe	NCOPh	..
Me	H	SMe	NSO ₂ Me	..
Me	H	SMe	NSO ₂ Et	..
Me	H	SMe	NSO ₂ Pr	..
Me	H	SMe	NSO ₂ Ph	..
Me	H	SMe	NSO ₂ iPr	..
Me	H	SMe	NNO ₂	..
Me	H	SMe	NCOOMe	..
Me	H	SMe	NCOOEt	..
Me	H	SMe	NCOOPr	..
Me	H	SMe	NCOOiPr	..
Me	H	SMe	NCONHEt	..
Me	H	SMe	NCONHPr	..
Me	H	SMe	NCONH ₂	..
Me	H	SMe	NCONHMe	..
Me	H	SMe	NCN	..
Me	H	SMe	NCOSMe	..
Me	H	SMe	NCOSEt	..
Me	H	SMe	NCSOMe	..
Me	H	SMe	NCSOEt	..
Me	H	SMe	NCSOPr	..
Me	H	SMe	NSO ₂ NH ₂	..
Me	H	SMe	NSO ₂ NHMe	..
Me	H	SMe	NSO ₂ NMe ₂	..
Me	H	SMe	NP(O)(OMe) ₂	..
Me	H	SMe	NP(O)(OEt) ₂	..

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Me	H	SMe	NP(O)Me ₂	..
Me	H	SMe	NP(O)Et ₂	..
Me	H	SMe	NP(O)Me(OMe)	..
Me	H	SMe	NP(O)(OPr) ₂	..
Me	H	SMe	NC(O)C(O)H	..
Me	H	SMe	NC(O)C(O)Me	..
Me	H	SMe	NC(O)C(O)OMe	..
Me	H	SMe	NC(O)C(O)OEt	..
Me	H	SMe	NC(O)C(O)NH ₂	..
Me	H	SMe	NC(O)C(O)OH	..
Me	H	SMe	NC(NH)NH ₂	..
Me	H	SMe	NC(NO ₂)NH ₂	..
Me	H	SMe	NC(NH)NHMe	..
Me	H	SMe	NC(NH)NMe ₂	..
Me	H	SMe	NC(NH)OMe	..
Me	H	SMe	NC(NH)OEt	..
Me	Me	H	NCOMe	..
Me	Me	H	NCOEt	..
Me	Me	H	NCOPr	..
Me	Me	H	NCHO	..
Me	Me	H	NCOiPr	..
Me	Me	H	NCOtBu	..
Me	Me	H	NCOPh	..
Me	Me	H	NSO ₂ Me	..
Me	Me	H	NSO ₂ Et	..
Me	Me	H	NSO ₂ Pr	..
Me	Me	H	NSO ₂ Ph	..
Me	Me	H	NSO ₂ iPr	..

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Me	Me	H	NNO ₂	..
Me	Me	H	NCOOMe	..
Me	Me	H	NCOOEt	..
Me	Me	H	NCOOPr	..
Me	Me	H	NCOOiPr	..
Me	Me	H	NCONHEt	..
Me	Me	H	NCONHPr	..
Me	Me	H	NCONH ₂	..
Me	Me	H	NCONHMe	..
Me	Me	H	NCN	..
Me	Me	H	NCOSMe	..
Me	Me	H	NCOSEt	..
Me	Me	H	NCSOMe	..
Me	Me	H	NCSOEt	..
Me	Me	H	NCSOPr	..
Me	Me	H	NSO ₂ NH ₂	..
Me	Me	H	NSO ₂ NHMe	..
Me	Me	H	NSO ₂ NMe ₂	..
Me	Me	H	NP(O)(OMe) ₂	..
Me	Me	H	NP(O)(OEt) ₂	..
Me	Me	H	NP(O)Me ₂	..
Me	Me	H	NP(O)Et ₂	..
Me	Me	H	NP(O)Me(OMe)	..
Me	Me	H	NP(O)(OPr) ₂	..
Me	Me	H	NC(O)C(O)H	..
Me	Me	H	NC(O)C(O)Me	..
Me	Me	H	NC(O)C(O)OMe	..
Me	Me	H	NC(O)C(O)OEt	..

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Me	Me	H	NC(O)C(O)NH ₂	..
Me	Me	H	NC(O)C(O)OH	..
Me	Me	H	NC(NH)NH ₂	..
Me	Me	H	NC(NOH)NH ₂	..
Me	Me	H	NC(NH)NHMe	..
Me	Me	H	NC(NH)NMe ₂	..
Me	Me	H	NC(NH)OMe	..
Me	Me	H	NC(NH)OEt	..
Me	Me	Me	NCOMe	..
Me	Me	Me	NCOEt	..
Me	Me	Me	NCOPr	..
Me	Me	Me	NCHO	..
Me	Me	Me	NCOiPr	..
Me	Me	Me	NCOtBu	..
Me	Me	Me	NCOPh	..
Me	Me	Me	NSO ₂ Me	..
Me	Me	Me	NSO ₂ Et	..
Me	Me	Me	NSO ₂ Pr	..
Me	Me	Me	NSO ₂ Ph	..
Me	Me	Me	NSO ₂ iPr	..
Me	Me	Me	NNO ₂	..
Me	Me	Me	NCOOMe	..
Me	Me	Me	NCOOEt	..
Me	Me	Me	NCOOPr	..
Me	Me	Me	NCOOiPr	..
Me	Me	Me	NCONHEt	..
Me	Me	Me	NCONHPr	..
Me	Me	Me	NCONH ₂	..

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Me	Me	Me	NCONHMe	..
Me	Me	Me	NCN	..
Me	Me	Me	NCOSMe	..
Me	Me	Me	NCOSEt	..
Me	Me	Me	NCSOMe	..
Me	Me	Me	NCSOEt	..
Me	Me	Me	NCSOPr	..
Me	Me	Me	NSO ₂ NH ₂	..
Me	Me	Me	NSO ₂ NHMe	..
Me	Me	Me	NSO ₂ NMe ₂	..
Me	Me	Me	NP(O)(OMe) ₂	..
Me	Me	Me	NP(O)(OEt) ₂	..
Me	Me	Me	NP(O)Me ₂	..
Me	Me	Me	NP(O)Et ₂	..
Me	Me	Me	NP(O)Me(OMe)	..
Me	Me	Me	NP(O)(OPr) ₂	..
Me	Me	Me	NC(O)C(O)H	..
Me	Me	Me	NC(O)C(O)Me	..
Me	Me	Me	NC(O)C(O)OMe	..
Me	Me	Me	NC(O)C(O)OEt	..
Me	Me	Me	NC(O)C(O)NH ₂	..
Me	Me	Me	NC(O)C(O)OH	..
Me	Me	Me	NC(NH)NH ₂	..
Me	Me	Me	NC(NOH)NH ₂	..
Me	Me	Me	NC(NH)NHMe	..
Me	Me	Me	NC(NH)NMe ₂	..
Me	Me	Me	NC(NH)OMe	..
Me	Me	Me	NC(NH)OEt	..

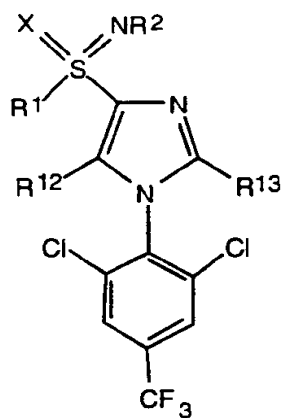
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TABLE 5

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R^1	R^{12}	R^{13}	NR^2	X
CF ₃	Cl	Me	NCOMe	..
CF ₃	Cl	Me	NCOEt	..
CF ₃	Cl	Me	NCOPr	..
CF ₃	Cl	Me	NCHO	..
CF ₃	Cl	Me	NCOiPr	..
CF ₃	Cl	Me	NCOtBu	..
CF ₃	Cl	Me	NCOPh	..
CF ₃	Cl	Me	NSO ₂ Me	..
CF ₃	Cl	Me	NSO ₂ Et	..
CF ₃	Cl	Me	NSO ₂ Pr	..
CF ₃	Cl	Me	NSO ₂ Ph	..
CF ₃	Cl	Me	NSO ₂ iPr	..
CF ₃	Cl	Me	NNO ₂	..

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CF ₃	Cl	Me	NCOOMe
CF ₃	Cl	Me	NCOOEt
CF ₃	Cl	Me	NCOOPr
CF ₃	Cl	Me	NCOOiPr

TABLE 5. Continued

R^1	R^{12}	R^{13}	NR^2	X
CF ₃	Cl	Me	NCONHEt	..
CF ₃	Cl	Me	NCONHPr	..
CF ₃	Cl	Me	NCONH ₂	..
CF ₃	Cl	Me	NCONHMe	..
CF ₃	Cl	Me	NCN	..
CF ₃	Cl	Me	NCOSMe	..
CF ₃	Cl	Me	NCOSEt	..
CF ₃	Cl	Me	NCSOMe	..
CF ₃	Cl	Me	NCSOEt	..
CF ₃	Cl	Me	NCSOPr	..
CF ₃	Cl	Me	NSO ₂ NH ₂	..
CF ₃	Cl	Me	NSO ₂ NHMe	..
CF ₃	Cl	Me	NSO ₂ NMe ₂	..
CF ₃	Cl	Me	NP(O)(OMe) ₂	..
CF ₃	Cl	Me	NP(O)(OEt) ₂	..
CF ₃	Cl	Me	NP(O)Me ₂	..
CF ₃	Cl	Me	NP(O)Et ₂	..
CF ₃	Cl	Me	NP(O)Me(OMe)	..
CF ₃	Cl	Me	NP(O)(OPr) ₂	..
CF ₃	Cl	Me	NC(O)C(O)H	..
CF ₃	Cl	Me	NC(O)C(O)Me	..
CF ₃	Cl	Me	NC(O)C(O)OMe	..
CF ₃	Cl	Me	NC(O)C(O)OEt	..
CF ₃	Cl	Me	NC(O)C(O)NH ₂	..

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CF ₃	Cl	Me	NC(O)C(O)OH	..
CF ₃	Cl	Me	NC(NH)NH ₂	..
CF ₃	Cl	Me	NC(NOH)NH ₂	..
CF ₃	Cl	Me	NC(NH)NHMe	..
CF ₃	Cl	Me	NC(NH)NMe ₂	..
CF ₃	Cl	Me	NC(NH)OMe	..
CF ₃	Cl	Me	NC(NH)OEt	..
CF ₃	Cl	Me	NCOMe	O
CF ₃	Cl	Me	NCOEt	O
CF ₃	Cl	Me	NCOPr	O
CF ₃	Cl	Me	NCHO	O
CF ₃	Cl	Me	NCOiPr	O
CF ₃	Cl	Me	NCOtBu	O
CF ₃	Cl	Me	NCOPh	O
CF ₃	Cl	Me	NSO ₂ Me	O
CF ₃	Cl	Me	NSO ₂ Et	O
CF ₃	Cl	Me	NSO ₂ Pr	O
CF ₃	Cl	Me	NSO ₂ Ph	O
CF ₃	Cl	Me	NSO ₂ iPr	O
CF ₃	Cl	Me	NNO ₂	O
CF ₃	Cl	Me	NCOOMe	O
CF ₃	Cl	Me	NCOOEt	O
CF ₃	Cl	Me	NCOOPr	O
CF ₃	Cl	Me	NCOOiPr	O
CF ₃	Cl	Me	NCONHEt	O
CF ₃	Cl	Me	NCONHPr	O
CF ₃	Cl	Me	NCONH ₂	O
CF ₃	Cl	Me	NCONHMe	O

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CF ₃	Cl	Me	NCN	O
CF ₃	Cl	Me	NCOSMe	O
CF ₃	Cl	Me	NCOSEt	O
CF ₃	Cl	Me	NCSOMe	O
CF ₃	Cl	Me	NCSOEt	O
CF ₃	Cl	Me	NCSOPr	O
CF ₃	Cl	Me	NSO ₂ NH ₂	O
CF ₃	Cl	Me	NSO ₂ NHMe	O
CF ₃	Cl	Me	NSO ₂ NMe ₂	O
CF ₃	Cl	Me	NP(O)(OMe) ₂	O
CF ₃	Cl	Me	NP(O)(OEt) ₂	O
CF ₃	Cl	Me	NP(O)Me ₂	O
CF ₃	Cl	Me	NP(O)Et ₂	O
CF ₃	Cl	Me	NP(O)Me(OMe)	O
CF ₃	Cl	Me	NP(O)(OPr) ₂	O
CF ₃	Cl	Me	NC(O)C(O)H	O
CF ₃	Cl	Me	NC(O)C(O)Me	O
CF ₃	Cl	Me	NC(O)C(O)OMe	O
CF ₃	Cl	Me	NC(O)C(O)OEt	O
CF ₃	Cl	Me	NC(O)C(O)NH ₂	O
CF ₃	Cl	Me	NC(O)C(O)OH	O
CF ₃	Cl	Me	NC(NH)NH ₂	O
CF ₃	Cl	Me	NC(NOH)NH ₂	O
CF ₃	Cl	Me	NC(NH)NHMe	O
CF ₃	Cl	Me	NC(NH)NMe ₂	O
CF ₃	Cl	Me	NC(NH)OMe	O
CF ₃	Cl	Me	NC(NH)OEt	O
CF ₃	H	Me	NCOMe	

193

CF ₃	H	Me	NCOEt	..
CF ₃	H	Me	NCOPr	..
CF ₃	H	Me	NCHO	..
CF ₃	H	Me	NCOiPr	..
CF ₃	H	Me	NCOtBu	..
CF ₃	H	Me	NCOPh	..
CF ₃	H	Me	NSO ₂ Me	..
CF ₃	H	Me	NSO ₂ Et	..
CF ₃	H	Me	NSO ₂ Pr	..
CF ₃	H	Me	NSO ₂ Ph	..
CF ₃	H	Me	NSO ₂ iPr	..
CF ₃	H	Me	NNO ₂	..
CF ₃	H	Me	NCOOMe	..
CF ₃	H	Me	NCOOEt	..
CF ₃	H	Me	NCOOPr	..
CF ₃	H	Me	NCOOiPr	..
CF ₃	H	Me	NCONHEt	..
CF ₃	H	Me	NCONHPr	..
CF ₃	H	Me	NCONH ₂	..
CF ₃	H	Me	NCONHMe	..
CF ₃	H	Me	NCN	..
CF ₃	H	Me	NCOSMe	..
CF ₃	H	Me	NCOSEt	..
CF ₃	H	Me	NCSOMe	..
CF ₃	H	Me	NCSOEt	..
CF ₃	H	Me	NCSOPr	..
CF ₃	H	Me	NSO ₂ NH ₂	..
CF ₃	H	Me	NSO ₂ NHMe	..

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CF ₃	H	Me	NSO ₂ NMe ₂	..
CF ₃	H	Me	NP(O)(OMe) ₂	..
CF ₃	H	Me	NP(O)(OEt) ₂	..
CF ₃	H	Me	NP(O)Me ₂	..
CF ₃	H	Me	NP(O)Et ₂	..
CF ₃	H	Me	NP(O)Me(OMe)	..
CF ₃	H	Me	NP(O)(OPr) ₂	..
CF ₃	H	Me	NC(O)C(O)H	..
CF ₃	H	Me	NC(O)C(O)Me	..
CF ₃	H	Me	NC(O)C(O)OMe	..
CF ₃	H	Me	NC(O)C(O)OEt	..
CF ₃	H	Me	NC(O)C(O)NH ₂	..
CF ₃	H	Me	NC(O)C(O)OH	..
CF ₃	H	Me	NC(NH)NH ₂	..
CF ₃	H	Me	NC(NOH)NH ₂	..
CF ₃	H	Me	NC(NH)NHMe	..
CF ₃	H	Me	NC(NH)NMe ₂	..
CF ₃	H	Me	NC(NH)OMe	..
CF ₃	H	Me	NC(NH)OEt	..
CF ₃	H	Me	NCOMe	O
CF ₃	H	Me	NCOEt	O
CF ₃	H	Me	NCOPr	O
CF ₃	H	Me	NCHO	O
CF ₃	H	Me	NCOiPr	O
CF ₃	H	Me	NCOtBu	O
CF ₃	H	Me	NCOPh	O
CF ₃	H	Me	NSO ₂ Me	O
CF ₃	H	Me	NSO ₂ Et	O

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CF ₃	H	Me	NSO ₂ Pr	O
CF ₃	H	Me	NSO ₂ Ph	O
CF ₃	H	Me	NSO ₂ iPr	O
CF ₃	H	Me	NNO ₂	O
CF ₃	H	Me	NCOOMe	O
CF ₃	H	Me	NCOOEt	O
CF ₃	H	Me	NCOOPr	O
CF ₃	H	Me	NCOOiPr	O
CF ₃	H	Me	NCONHEt	O
CF ₃	H	Me	NCONHPr	O
CF ₃	H	Me	NCONH ₂	O
CF ₃	H	Me	NCONHMe	O
CF ₃	H	Me	NCN	O
CF ₃	H	Me	NCOSMe	O
CF ₃	H	Me	NCOSEt	O
CF ₃	H	Me	NCSOMe	O
CF ₃	H	Me	NCSOEt	O
CF ₃	H	Me	NCSOPr	O
CF ₃	H	Me	NSO ₂ NH ₂	O
CF ₃	H	Me	NSO ₂ NHMe	O
CF ₃	H	Me	NSO ₂ NMe ₂	O
CF ₃	H	Me	NP(O)(OMe) ₂	O
CF ₃	H	Me	NP(O)(OEt) ₂	O
CF ₃	H	Me	NP(O)Me ₂	O
CF ₃	H	Me	NP(O)Et ₂	O
CF ₃	H	Me	NP(O)Me(OMe)	O
CF ₃	H	Me	NP(O)(OPr) ₂	O
CF ₃	H	Me	NC(O)C(O)H	O

196

CF ₃	H	Me	NC(O)C(O)Me	O
CF ₃	H	Me	NC(O)C(O)OMe	O
CF ₃	H	Me	NC(O)C(O)OEt	O
CF ₃	H	Me	NC(O)C(O)NH ₂	O
CF ₃	H	Me	NC(O)C(O)OH	O
CF ₃	H	Me	NC(NH)NH ₂	O
CF ₃	H	Me	NC(NOH)NH ₂	O
CF ₃	H	Me	NC(NH)NHMe	O
CF ₃	H	Me	NC(NH)NMe ₂	O
CF ₃	H	Me	NC(NH)OMe	O
CF ₃	H	Me	NC(NH)OEt	O
CF ₃	Me	Me	NCOMe	"
CF ₃	Me	Me	NCOEt	"
CF ₃	Me	Me	NCOPr	"
CF ₃	Me	Me	NCHO	"
CF ₃	Me	Me	NCOiPr	"
CF ₃	Me	Me	NCOtBu	"
CF ₃	Me	Me	NCOPh	"
CF ₃	Me	Me	NSO ₂ Me	"
CF ₃	Me	Me	NSO ₂ Et	"
CF ₃	Me	Me	NSO ₂ Pr	"
CF ₃	Me	Me	NSO ₂ Ph	"
CF ₃	Me	Me	NSO ₂ iPr	"
CF ₃	Me	Me	NNO ₂	"
CF ₃	Me	Me	NCOOMe	"
CF ₃	Me	Me	NCOOEt	"
CF ₃	Me	Me	NCOOPr	"
CF ₃	Me	Me	NCOOiPr	"

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CF ₃	Me	Me	NCONHEt	..
CF ₃	Me	Me	NCONHPr	..
CF ₃	Me	Me	NCONH ₂	..
CF ₃	Me	Me	NCONHMe	..
CF ₃	Me	Me	NCN	..
CF ₃	Me	Me	NCOSMe	..
CF ₃	Me	Me	NCOSEt	..
CF ₃	Me	Me	NCSOMe	..
CF ₃	Me	Me	NCSOEt	..
CF ₃	Me	Me	NCSOPr	..
CF ₃	Me	Me	NSO ₂ NH ₂	..
CF ₃	Me	Me	NSO ₂ NHMe	..
CF ₃	Me	Me	NSO ₂ NMe ₂	..
CF ₃	Me	Me	NP(O)(OMe) ₂	..
CF ₃	Me	Me	NP(O)(OEt) ₂	..
CF ₃	Me	Me	NP(O)Me ₂	..
CF ₃	Me	Me	NP(O)Et ₂	..
CF ₃	Me	Me	NP(O)Me(OMe)	..
CF ₃	Me	Me	NP(O)(OPr) ₂	..
CF ₃	Me	Me	NC(O)C(O)H	..
CF ₃	Me	Me	NC(O)C(O)Me	..
CF ₃	Me	Me	NC(O)C(O)OMe	..
CF ₃	Me	Me	NC(O)C(O)OEt	..
CF ₃	Me	Me	NC(O)C(O)NH ₂	..
CF ₃	Me	Me	NC(O)C(O)OH	..
CF ₃	Me	Me	NC(NH)NH ₂	..
CF ₃	Me	Me	NC(NOH)NH ₂	..
CF ₃	Me	Me	NC(NH)NHMe	..

CF ₃	Me	Me	NC(NH)NMe ₂	0
CF ₃	Me	Me	NC(NH)OMe	0
CF ₃	Me	Me	NC(NH)OEt	0
CF ₃	Me	Me	NCOMe	0
CF ₃	Me	Me	NCOEt	0
CF ₃	Me	Me	NCOPr	0
CF ₃	Me	Me	NCHO	0
CF ₃	Me	Me	NCOiPr	0
CF ₃	Me	Me	NCOtBu	0
CF ₃	Me	Me	NCOPh	0
CF ₃	Me	Me	NSO ₂ Me	0
CF ₃	Me	Me	NSO ₂ Et	0
CF ₃	Me	Me	NSO ₂ Pr	0
CF ₃	Me	Me	NSO ₂ Ph	0
CF ₃	Me	Me	NSO ₂ iPr	0
CF ₃	Me	Me	NNO ₂	0
CF ₃	Me	Me	NCOOMe	0
CF ₃	Me	Me	NCOOEt	0
CF ₃	Me	Me	NCOOPr	0
CF ₃	Me	Me	NCOOiPr	0
CF ₃	Me	Me	NCONHEt	0
CF ₃	Me	Me	NCONHPr	0
CF ₃	Me	Me	NCONH ₂	0
CF ₃	Me	Me	NCONHMe	0
CF ₃	Me	Me	NCN	0
CF ₃	Me	Me	NCOSMe	0
CF ₃	Me	Me	NCOSEt	0
CF ₃	Me	Me	NCSOMe	0

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CF ₃	Me	Me	NCSOEt	O
CF ₃	Me	Me	NCSOPr	O
CF ₃	Me	Me	NSO ₂ NH ₂	O
CF ₃	Me	Me	NSO ₂ NHMe	O
CF ₃	Me	Me	NSO ₂ NMe ₂	O
CF ₃	Me	Me	NP(O)(OMe) ₂	O
CF ₃	Me	Me	NP(O)(OEt) ₂	O
CF ₃	Me	Me	NP(O)Me ₂	O
CF ₃	Me	Me	NP(O)Et ₂	O
CF ₃	Me	Me	NP(O)Me(OMe)	O
CF ₃	Me	Me	NP(O)(OPr) ₂	O
CF ₃	Me	Me	NC(O)C(O)H	O
CF ₃	Me	Me	NC(O)C(O)Me	O
CF ₃	Me	Me	NC(O)C(O)OMe	O
CF ₃	Me	Me	NC(O)C(O)OEt	O
CF ₃	Me	Me	NC(O)C(O)NH ₂	O
CF ₃	Me	Me	NC(O)C(O)OH	O
CF ₃	Me	Me	NC(NH)NH ₂	O
CF ₃	Me	Me	NC(NOH)NH ₂	O
CF ₃	Me	Me	NC(NH)NHMe	O
CF ₃	Me	Me	NC(NH)NMe ₂	O
CF ₃	Me	Me	NC(NH)OMe	O
CF ₃	Me	Me	NC(NH)OEt	O
CF ₃	Cl	Cl	NCOMe	..
CF ₃	Cl	Cl	NCOEt	..
CF ₃	Cl	Cl	NCOPr	..
CF ₃	Cl	Cl	NCHO	..
CF ₃	Cl	Cl	NCOiPr	..

200

CF ₃	Cl	Cl	NCOtBu	..
CF ₃	Cl	Cl	NCOPh	..
CF ₃	Cl	Cl	NSO ₂ Me	..
CF ₃	Cl	Cl	NSO ₂ Et	..
CF ₃	Cl	Cl	NSO ₂ Pr	..
CF ₃	Cl	Cl	NSO ₂ Ph	..
CF ₃	Cl	Cl	NSO ₂ iPr	..
CF ₃	Cl	Cl	NNO ₂	..
CF ₃	Cl	Cl	NCOOMe	..
CF ₃	Cl	Cl	NCOOEt	..
CF ₃	Cl	Cl	NCOOPr	..
CF ₃	Cl	Cl	NCOOiPr	..
CF ₃	Cl	Cl	NCONHEt	..
CF ₃	Cl	Cl	NCONHPr	..
CF ₃	Cl	Cl	NCONH ₂	..
CF ₃	Cl	Cl	NCONHMe	..
CF ₃	Cl	Cl	NCN	..
CF ₃	Cl	Cl	NCOSMe	..
CF ₃	Cl	Cl	NCOSEt	..
CF ₃	Cl	Cl	NCSOMe	..
CF ₃	Cl	Cl	NCSOEt	..
CF ₃	Cl	Cl	NCSOPr	..
CF ₃	Cl	Cl	NSO ₂ NH ₂	..
CF ₃	Cl	Cl	NSO ₂ NHMe	..
CF ₃	Cl	Cl	NSO ₂ NMe ₂	..
CF ₃	Cl	Cl	NP(O)(OMe) ₂	..
CF ₃	Cl	Cl	NP(O)(OEt) ₂	..
CF ₃	Cl	Cl	NP(O)Me ₂	..

201

CF ₃	Cl	Cl	NP(O)Et ₂	..
CF ₃	Cl	Cl	NP(O)Me(OMe)	..
CF ₃	Cl	Cl	NP(O)(OPr) ₂	..
CF ₃	Cl	Cl	NC(O)C(O)H	..
CF ₃	Cl	Cl	NC(O)C(O)Me	..
CF ₃	Cl	Cl	NC(O)C(O)OMe	..
CF ₃	Cl	Cl	NC(O)C(O)OEt	..
CF ₃	Cl	Cl	NC(O)C(O)NH ₂	..
CF ₃	Cl	Cl	NC(O)C(O)OH	..
CF ₃	Cl	Cl	NC(NH)NH ₂	..
CF ₃	Cl	Cl	NC(NOH)NH ₂	..
CF ₃	Cl	Cl	NC(NH)NHMe	..
CF ₃	Cl	Cl	NC(NH)NMe ₂	..
CF ₃	Cl	Cl	NC(NH)OMe	..
CF ₃	Cl	Cl	NC(NH)OEt	..
CF ₃	Cl	Cl	NCOMe	O
CF ₃	Cl	Cl	NCOEt	O
CF ₃	Cl	Cl	NCOPr	O
CF ₃	Cl	Cl	NCHO	O
CF ₃	Cl	Cl	NCOiPr	O
CF ₃	Cl	Cl	NCOtBu	O
CF ₃	Cl	Cl	NCOPh	O
CF ₃	Cl	Cl	NSO ₂ Me	O
CF ₃	Cl	Cl	NSO ₂ Et	O
CF ₃	Cl	Cl	NSO ₂ Pr	O
CF ₃	Cl	Cl	NSO ₂ Ph	O
CF ₃	Cl	Cl	NSO ₂ iPr	O
CF ₃	Cl	Cl	NNO ₂	O

202

CF ₃	Cl	Cl	NCOOMe	O
CF ₃	Cl	Cl	NCOOEt	O
CF ₃	Cl	Cl	NCOOPr	O
CF ₃	Cl	Cl	NCOOiPr	O
CF ₃	Cl	Cl	NCONHEt	O
CF ₃	Cl	Cl	NCONHPr	O
CF ₃	Cl	Cl	NCONH ₂	O
CF ₃	Cl	Cl	NCONHMe	O
CF ₃	Cl	Cl	NCN	O
CF ₃	Cl	Cl	NCOSMe	O
CF ₃	Cl	Cl	NCOSEt	O
CF ₃	Cl	Cl	NCSOMe	O
CF ₃	Cl	Cl	NCSOEt	O
CF ₃	Cl	Cl	NCSOPr	O
CF ₃	Cl	Cl	NSO ₂ NH ₂	O
CF ₃	Cl	Cl	NSO ₂ NHMe	O
CF ₃	Cl	Cl	NSO ₂ NMe ₂	O
CF ₃	Cl	Cl	NP(O)(OMe) ₂	O
CF ₃	Cl	Cl	NP(O)(OEt) ₂	O
CF ₃	Cl	Cl	NP(O)Me ₂	O
CF ₃	Cl	Cl	NP(O)Et ₂	O
CF ₃	Cl	Cl	NP(O)Me(OMe)	O
CF ₃	Cl	Cl	NP(O)(OPr) ₂	O
CF ₃	Cl	Cl	NC(O)C(O)H	O
CF ₃	Cl	Cl	NC(O)C(O)Me	O
CF ₃	Cl	Cl	NC(O)C(O)OMe	O
CF ₃	Cl	Cl	NC(O)C(O)OEt	O
CF ₃	Cl	Cl	NC(O)C(O)NH ₂	O

203

CF ₃	Cl	Cl	NC(O)C(O)OH	O
CF ₃	Cl	Cl	NC(NH)NH ₂	O
CF ₃	Cl	Cl	NC(NOH)NH ₂	O
CF ₃	Cl	Cl	NC(NH)NHMe	O
CF ₃	Cl	Cl	NC(NH)NMe ₂	O
CF ₃	Cl	Cl	NC(NH)OMe	O
CF ₃	Cl	Cl	NC(NH)OEt	O
CF ₃	Cl	H	NCOMe	"
CF ₃	Cl	H	NCOEt	"
CF ₃	Cl	H	NCOPr	"
CF ₃	Cl	H	NCHO	"
CF ₃	Cl	H	NCOiPr	"
CF ₃	Cl	H	NCOtBu	"
CF ₃	Cl	H	NCOPh	"
CF ₃	Cl	H	NSO ₂ Me	"
CF ₃	Cl	H	NSO ₂ Et	"
CF ₃	Cl	H	NSO ₂ Pr	"
CF ₃	Cl	H	NSO ₂ Ph	"
CF ₃	Cl	H	NSO ₂ iPr	"
CF ₃	Cl	H	NNO ₂	"
CF ₃	Cl	H	NCOOMe	"
CF ₃	Cl	H	NCOOEt	"
CF ₃	Cl	H	NCOOPr	"
CF ₃	Cl	H	NCOOiPr	"
CF ₃	Cl	H	NCONHEt	"
CF ₃	Cl	H	NCONHPr	"
CF ₃	Cl	H	NCONH ₂	"
CF ₃	Cl	H	NCONHMe	"

204

CF ₃	Cl	H	NCN	..
CF ₃	Cl	H	NCOSMe	..
CF ₃	Cl	H	NCOSEt	..
CF ₃	Cl	H	NCSOMe	..
CF ₃	Cl	H	NCSOEt	..
CF ₃	Cl	H	NCSOPr	..
CF ₃	Cl	H	NSO ₂ NH ₂	..
CF ₃	Cl	H	NSO ₂ NHMe	..
CF ₃	Cl	H	NSO ₂ NMe ₂	..
CF ₃	Cl	H	NP(O)(OMe) ₂	..
CF ₃	Cl	H	NP(O)(OEt) ₂	..
CF ₃	Cl	H	NP(O)Me ₂	..
CF ₃	Cl	H	NP(O)Et ₂	..
CF ₃	Cl	H	NP(O)Me(OMe)	..
CF ₃	Cl	H	NP(O)(OPr) ₂	..
CF ₃	Cl	H	NC(O)C(O)H	..
CF ₃	Cl	H	NC(O)C(O)Me	..
CF ₃	Cl	H	NC(O)C(O)OMe	..
CF ₃	Cl	H	NC(O)C(O)OEt	..
CF ₃	Cl	H	NC(O)C(O)NH ₂	..
CF ₃	Cl	H	NC(O)C(O)OH	..
CF ₃	Cl	H	NC(NH)NH ₂	..
CF ₃	Cl	H	NC(NOH)NH ₂	..
CF ₃	Cl	H	NC(NH)NHMe	..
CF ₃	Cl	H	NC(NH)NMe ₂	..
CF ₃	Cl	H	NC(NH)OMe	..
CF ₃	Cl	H	NC(NH)OEt	..
CF ₃	Cl	H	NCOMe	O

205

CF ₃	Cl	H	NCOEt	O
CF ₃	Cl	H	NCOPr	O
CF ₃	Cl	H	NCHO	O
CF ₃	Cl	H	NCOiPr	O
CF ₃	Cl	H	NCOtBu	O
CF ₃	Cl	H	NCOPh	O
CF ₃	Cl	H	NSO ₂ Me	O
CF ₃	Cl	H	NSO ₂ Et	O
CF ₃	Cl	H	NSO ₂ Pr	O
CF ₃	Cl	H	NSO ₂ Ph	O
CF ₃	Cl	H	NSO ₂ iPr	O
CF ₃	Cl	H	NNO ₂	O
CF ₃	Cl	H	NCOOMe	O
CF ₃	Cl	H	NCOOEt	O
CF ₃	Cl	H	NCOOPr	O
CF ₃	Cl	H	NCOOiPr	O
CF ₃	Cl	H	NCONHEt	O
CF ₃	Cl	H	NCONHPr	O
CF ₃	Cl	H	NCONH ₂	O
CF ₃	Cl	H	NCONHMe	O
CF ₃	Cl	H	NCN	O
CF ₃	Cl	H	NCOSMe	O
CF ₃	Cl	H	NCOSEt	O
CF ₃	Cl	H	NCSOMe	O
CF ₃	Cl	H	NCSOEt	O
CF ₃	Cl	H	NCSOPr	O
CF ₃	Cl	H	NSO ₂ NH ₂	O
CF ₃	Cl	H	NSO ₂ NHMe	O

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CF ₃	Cl	H	NSO ₂ NMe ₂	O
CF ₃	Cl	H	NP(O)(OMe) ₂	O
CF ₃	Cl	H	NP(O)(OEt) ₂	O
CF ₃	Cl	H	NP(O)Me ₂	O
CF ₃	Cl	H	NP(O)Et ₂	O
CF ₃	Cl	H	NP(O)Me(OMe)	O
CF ₃	Cl	H	NP(O)(OPr) ₂	O
CF ₃	Cl	H	NC(O)C(O)H	O
CF ₃	Cl	H	NC(O)C(O)Me	O
CF ₃	Cl	H	NC(O)C(O)OMe	O
CF ₃	Cl	H	NC(O)C(O)OEt	O
CF ₃	Cl	H	NC(O)C(O)NH ₂	O
CF ₃	Cl	H	NC(O)C(O)OH	O
CF ₃	Cl	H	NC(NH)NH ₂	O
CF ₃	Cl	H	NC(NOH)NH ₂	O
CF ₃	Cl	H	NC(NH)NHMe	O
CF ₃	Cl	H	NC(NH)NMe ₂	O
CF ₃	Cl	H	NC(NH)OMe	O
CF ₃	Cl	H	NC(NH)OEt	O

COMPOSITIONS AND METHODS OF USE

The present invention provides pesticidal compositions and methods of controlling arthropod, nematode, helminth and protozoan pests, using the compounds of formulas (I) and (II), as set forth in the Summary of the Invention hereinabove. In a preferred aspect, the present invention provides a method for controlling arthropods or nematodes at a locus comprising applying to said locus an arthropodically or nematocidally effective amount of a compound of either formula (I) or formula (II) or a composition comprising said compound and an agriculturally acceptable inert carrier therefor. In a more preferred embodiment, the arthropods whose control is desired are insects, and to that end the invention provides a method for controlling insects at a locus comprising applying to said locus an insecticidally effective amount of a compound of either formula (I) or (II), or an insecticidally effective amount of an insecticidal composition comprising an insecticidally effective amount of a compound of either formula (I) or (II) and an agriculturally acceptable inert carrier therefor. In another preferred embodiment, control of nematodes is desired, and to that end the invention provides a method of controlling nematodes at a locus comprising applying to said locus a nematocidally effective amount of a compound of either formula (I) or (II), or a nematocidally effective amount of a nematocidal composition comprising a nematocidally effective amount of a compound of either formula (I) or (II) and an agriculturally acceptable inert carrier therefor. Preferably, the locus to which the arthropodically (especially insecticidally) or nematocidally effective amount is applied is a crop-growing area, that is, an area in which a crop is growing or in which a crop has been planted, or an area in which a crop will be planted/grown.

The compositions which can be used in the invention for the pesticidal, particularly the arthropodical (especially insecticidal) or nematocidal, treatment of the invention can comprise from about 0.001 to about 95% of the active ingredient of either formula (I) or (II). The term "active ingredient of either formula (I) or (II)" or "active ingredient" as used herein refers to a compound of either formula (I) or (II) or salt thereof. The expression "compound of either formula (I) or (II)" is also used herein to mean the compound or its salt.

The diluted liquid formulations, as applied to the locus to be treated or crop, generally comprise from about 0.001 to about 3% of active ingredient of either formula (I) or (II), preferably from about 0.1 to about 0.5%.

The solid formulations as applied to the locus or crop generally comprise from about 0.1 to about 8% of active ingredient of either formula (I) or (II), preferably from about 0.5 to about 1.5%.

5 The concentrated compositions are compositions which are commercialized or transported or stored. For application to plants, they are normally diluted in water and applied in such diluted form. The diluted forms are part of the invention as well as the concentrated forms.

The concentrated formulations generally comprise from about 5 to about 95% of active ingredient of either formula (I) or (II), preferably from about 10 to about 50%.

10 The insecticidal compositions of the invention can be applied once, or more than once, throughout the whole insect season. Insecticidal compositions according to the invention are usually applied to the locus to be treated or crop area at a rate of from about 0.04 to about 2 kg/ha of active ingredient, preferably from about 0.1 to about 1 kg/ha.

15 The concentrated insecticidal compositions according to the invention can be in the form of a solid, *e.g.*, dusts or granules or wettable powders, or, preferably, in the form of a liquid, such as an emulsifiable concentrate or a true solution.

The compositions according to the instant invention generally comprise from about 0.5 to about 95% of active ingredient. The remainder of the composition up to 100% comprises a carrier as well as various additives such as those hereafter indicated.

20 By "carrier", there is meant herein an organic or inorganic material, which can be natural or synthetic, and which is associated with the active ingredient and which facilitates its application to the locus to be treated or crop. This carrier is thus generally inert and should be agriculturally acceptable, especially on the contemplated or treated locus or crop. The carrier can be solid (clay, silicates, silica, resins, wax, fertilizers, *etc.*) or liquid (water, 25 alcohols, ketones, oil solvents, saturated or unsaturated hydrocarbons, chlorinated hydrocarbons, liquified petroleum gas, *etc.*).

Among the many additives, the compositions of the invention can comprise surfactants as well as other ingredients such as dispersants, stickers, antifoam agents, antifreezing agents, dyestuffs, thickeners, adhesives, protective colloids, penetrating agents, 30 stabilizing agents, sequestering agents, antiflocculating agents, corrosion inhibitors, pigments and polymers.

More generally, the compositions of the invention can comprise all kinds of solid or liquid additives which are known in the art of insecticides and insecticidal treatments.

The surfactants can be of the emulsifying or wetting type, ionic or non-ionic. Possible surfactants are salts of polyacrylic or lignosulfonic acids; salts of phenolsulfonic or naphthalenesulfonic acids; polycondensates of ethylene oxide with fatty alcohols or fatty acids or fatty amines or substituted phenols (particularly alkylphenols or arylphenols); ester-
5 salts of sulfosuccinic acids; taurine derivatives such as alkyl taurates; phosphoric esters; or esters of alcohols or polyoxyethylated phenols. When the spraying vehicle is water, the use of at least one surfactant is generally required because the active ingredients are not water-soluble.

The method of application of the compositions of the invention is generally the
10 spraying of a mixture which has been previously made by dilution of more concentrated formulations according to the invention.

Solid compositions can be powders for dusting or for dispersion (wherein the content of active ingredient can be up to 100%) and granules, especially extruded or compacted granules, or granules which have been made by impregnation of a powder (the content of
15 active ingredient in such powders can then be between about 1 and about 80%).

Liquid compositions or compositions which have to be liquid when applied include solutions, water-soluble concentrates, emulsifiable concentrates, emulsions, wettable powders or pastes or water-dispersible granules.

Emulsifiable concentrates generally comprise from about 10 to about 80% of active
20 ingredient; the emulsions when applied generally comprise from about 0.01 to about 20% of active ingredient.

For example, the emulsifiable concentrates can comprise the solvent and, to the extent needed, from about 2 to about 20% of suitable additives as stabilizers, surfactants, penetrating agents, corrosion inhibitors or other additives already recited.

25 These concentrates are usually diluted in tank water so as to obtain the dilution appropriate for spraying.

The concentrated suspensions can also be applied by spraying and have to be fluid without allowing any solid to separate and fall to the bottom. Generally they comprise from about 1 to about 75% of active ingredient (preferably from about 2 to about 50%), from
30 about 0.5 to about 15% of surfactants, from about 0.1 to about 10% of thickener, and from 0 to about 10% of other suitable additives as already indicated, the remainder being water or an organic liquid wherein the active ingredient is insoluble or has a low solubility.

The wettable powders generally comprise the active ingredient (from about 1 to about 95%, preferably from about 2 to about 80%), the solid carrier, a wetting agent (from 0 to about 5%), a dispersing agent (from about 3 to about 10%) and, to the extent needed, from 0 to about 10% of other additives such as stabilizers and others as already listed.

- 5 In order to obtain these wettable powders or dusting powders, it is appropriate to intimately mix the active ingredients and the additives, as by grinding in a mill or similar device.

Dispersible granules are generally made by agglomeration of a powder followed by an appropriate granulation process.

- 10 The emulsions herein described can be of the oil-in-water or water-in-oil types. Fluidity of the emulsions can range from low viscosities up to high viscosities approaching those of gels.

Among these many compositions or formulations, one skilled in the art can choose the one most appropriate, according to the specific conditions of the treatment problem.

- 15 The compounds and compositions of the invention can also be used in admixtures with another pesticide *e.g.*, an insecticide, acaricide or herbicide.

The invention is further illustrated by the following examples which are not considered as limiting the invention but are given to better enable use of it.

BIOLOGICAL EFFICACY

- 20 The following representative methods were used to apply the compounds of the invention and to observe the biological activity obtained therefrom: a soil drench on aphid-infested plants; a bait application on flies.

The species used were as follows:

25	<u>GENUS, SPECIES</u>	<u>COMMON NAME</u>
	<i>Aphis gossypii</i>	cotton leaf aphid
	<i>Schizaphis graminum</i>	greenbug
	<i>Musca domestica</i>	housefly

- 30 **The Soil Drench Test** (systemic activity: aphids)

Cotton and sorghum plants were established in pots. One day prior to treatment, each pot was infested with about 25 aphids of a mixed population. Cotton plants were infested with aphids and sorghum plants were infested with the greenbug. The selected compound of

formula (I) or formula (II) was applied to the soil surface in a dilution that delivered the equivalent of 10.0 ppm soil concentration by weight. Aphid counts were obtained at 5 DAT (*i.e.* days after treatment). The number of aphids on the treated plants was compared to the number of those on the untreated control plants. Compounds that showed greater than 30% mortality on either aphid or greenbug were the following: 1a, 1b, 3-29, 30a, 31-32

The Housefly Bait/Contact Test

About 25 four to six-day-old adult houseflies (*Musca domestica*) were anesthetized and placed in a cage with a sugar water bait solution containing the compound. The compound concentration in the bait solution was 100 ppm. After 24 hours, flies which showed no movement on stimulation were considered dead. Compounds that showed greater than 30% mortality on housefly were the following: 1, 1a, 1b, 2, 3-10, 12-14, 16, 18-20, 22, 25, 26, 28-30, 30a, 31, 32

15

While the invention has been described in terms of various preferred embodiments, the skilled artisan will appreciate that various modifications, substitutions, omissions and changes can be made without departing from the spirit thereof. Accordingly, it is intended that the scope of the present invention be limited solely by the scope of the following claims, including equivalents thereof.

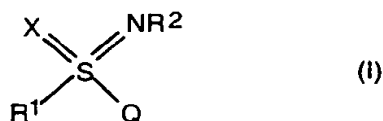
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CLAIMS

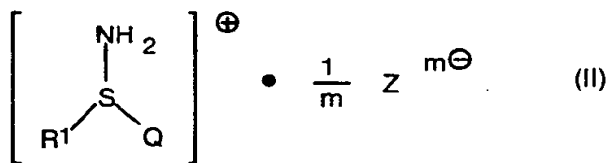
1. A compound of Formula (I) or Formula (II):

5



or

10



15 wherein:

=X is =NR³, =O or an electron pair;

R¹ is C₁-C₆ alkyl, C₃-C₆ cycloalkyl, or C₄-C₈ (cycloalkyl)alkyl, each of which is optionally substituted by one or more halogen;

R² and R³ are independently selected from H; C₁-C₆ alkyl; C₁-C₆ haloalkyl; COR⁴; S(O)_pR⁴; CN; NO₂; COOR⁴; CONR⁴R⁵; C(O)SR⁴; C(S)OR⁴; SO₂NR⁴R⁵; P(O)_q(R⁴)(R⁵); P(O)_q(OR⁴)(R⁵); P(O)_q(OR⁴)(OR⁵); C=(NR⁴)NR⁵R⁶; CH=NR⁴; C=(NR⁴)(OR⁵); C(S)N(R⁴)(R⁵); C(O)C(O)R⁴; C(O)C(O)OR⁴; C(O)C(O)NR⁴R⁵; and CONR⁴SO₂R⁵;

m is 1 or 2;

p is 0, 1 or 2;

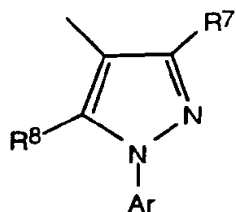
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q is 0 or 1;

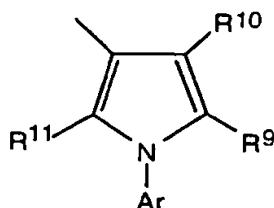
R⁴, R⁵ and R⁶ are independently selected from H; NO₂; CN; CHO; R¹⁴; phenyl optionally substituted by one or more of R¹⁴, halogen, CN, NO₂, OR¹⁴, SR¹⁴, COR¹⁴, COOR¹⁴, or OR¹⁴; halogen; COR¹⁴; COOR¹⁴; CHO; and OH;

Q is Q-1, Q-2 or Q-3 as designated below:

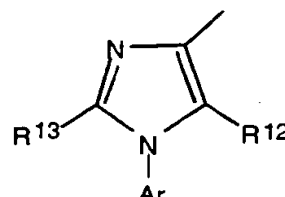
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Q-1



Q-2



Q-3

R^7 is CN, NO_2 , H, $\text{C}_1\text{-C}_4$ alkyl, $\text{C}_1\text{-C}_4$ haloalkyl, halogen, CHO, or COR^{20} , R^7 ;

R^8 is H, halogen, CN, $\text{S(O)}_p\text{R}^{14}$, OR^{14} , $\text{NR}^{16}\text{R}^{17}$, $\text{N(R}^{16})\text{CON(R}^{17})(\text{R}^{18})$, N_3 or $\text{NH}(\text{C}_1\text{-C}_5\text{ alkyl})$ substituted by one or more OH, OR^{14} , $\text{S(O)}_p\text{R}^{14}$, CN, NO_2 , COOR^{14} or

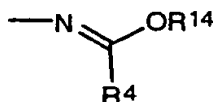
5 $\text{CON(R}^{16})(\text{R}^{17})$;

R^9 and R^{11} are independently selected from H, halogen, OR^{14} , SR^{14} and R^{14} ;

R^{10} is CN;

R^{12} is H, halogen, R^{14} , OR^{14} , $\text{S(O)}_p\text{R}^{14}$ or

10



15 R^{13} is H, halogen or R^{14} ;

Ar is phenyl, optionally bearing one or more substituents selected from the group consisting of halogen, R^{15} , OR^{15} , SF_5 and $\text{S(O)}_p\text{R}^{15}$; or Ar is 2-pyridyl, optionally bearing one or more substituents selected from the group consisting of halogen, R^{15} , OR^{15} , SF_5 and $\text{S(O)}_p\text{R}^{15}$;

20 R^{14} and R^{19} are independently selected from $\text{C}_1\text{-C}_6$ alkyl, $\text{C}_3\text{-C}_6$ cycloalkyl, and $\text{C}_4\text{-C}_8$ (cycloalkyl)alkyl, each of which is optionally substituted by one or more halogen;

R^{15} is $\text{C}_1\text{-C}_6$ alkyl, optionally substituted by one or more halogen;

R^{16} , R^{17} and R^{18} are independently selected from H, NO_2 , CN, CHO, R^{19} , COR^{19} , and $COOR^{19}$;

R^{20} is selected from C_1 - C_6 alkyl, optionally substituted by one or more halogen; and

Z is an anionic counter ion, such as Cl^- , Br^- , I^- , F^- , OSO_2R^{4+} , ClO_4^- , $OCOR^{4+}$, BF_4^- ,

- 5 SbF_6^- , SO_3^{--} or HSO_4^- , a phosphate anion or a hydrogenophosphate anion or other agriculturally acceptable anion.

2. A compound according to Claim 1 wherein R^1 is optionally halogenated C_1 - C_6 alkyl, preferably methyl or ethyl.

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3. A compound according to Claim 1 wherein R^2 is H, $COOR^4$, $S(O)_pR^4$, $CONR^4R^5$, CN, COR^4 , $P(O)_q(OR^4)(OR^5)$ or $P(O)_q(R^4)(R^5)$; more preferably R^2 is H; or CN; or $COOR^4$ (in which R^4 is C_1 - C_6 alkyl); or R^2 is $S(O)_pR^4$ (in which p is two and R^4 is C_1 - C_6 alkyl or optionally substituted phenyl); or R^2 is $CONR^4R^5$ (in which R^4 is H or C_1 - C_6 alkyl and R^5 is
15 C_1 - C_6 alkyl, or in which R^4 is H and R^5 is COR^{14} in which R^{14} is optionally halogenated C_1 - C_6 alkyl); or R^2 is COR^4 (in which R^4 is H or C_1 - C_6 alkyl); or R^2 is $P(O)_q(OR^4)(OR^5)$ or $P(O)_q(R^4)(R^5)$ (in which q is one and R^4 and R^5 are each C_1 - C_6 alkyl).

4. A compound according to Claim 1 wherein Q is Q-1, more preferably wherein R^7 is CN or
20 H, or C_1 - C_4 alkyl and/or when R^8 is $N(R^{16})(R^{17})$.

5. A compound according to Claim 4 wherein R^8 is NH_2

6. A compound according to Claim 1 wherein Ar is phenyl substituted in the 2 and 6
25 positions by halogen and in the 4 position by halogenated C_1 - C_6 alkyl or SF_5 or OR^{15} , preferably when Ar is 2,6-dichloro-4-trifluoromethylphenyl; or Ar is 2-pyridyl substituted in the 3 position by halogen and in the 5 position by halogenated C_1 - C_6 alkyl or SF_5 or OR^{15} , preferably when Ar is 3-chloro-5-trifluoromethylpyrid-2-yl.

- 30 7. The compound according to claim 1 which is:

2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]pyrazolyl-S-ethylsulfilimine ;

- 2,4,6-Trimethylbenzene-sulfonic acid, compound with S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]pyrazolyl-S-methylsulfilimine;
- 2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl]pyrazolyl-S-methylsulfilimine;
- 5 2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-methyl]pyrazolyl-S-ethylsulfilimine;
- 2,4,6-Trimethylbenzenesulfonic acid, compound with S-4-[5-amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-ethyl]pyrazolyl-S-ethylsulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-
- 10 N-(tert-butoxycarbonyl)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-acetylsulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-(methoxycarbonyl)sulfilimine;
- 15 S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-(methylsulfonyl)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-(methylcarbamoyl)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-
- 20 N-(cyano)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-(formyl)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-methyl-N-acetylsulfilimine;
- 25 S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-(diethylphosphoryl)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-(dimethylcarbamoyl)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-
- 30 N-(dimethylphosphinyl)sulfilimine;
- S- {[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl]-4-(1H-pyrazolyl)}-S-ethyl-N-((trichloroacetyl amino)carbonyl)sulfilimine;

- S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-ethyl-N-((chloroacetyl amino)carbonyl)sulfilimine;
- S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-ethyl-N-(methylthiocarbamoyl)sulfilimine;
- 5 S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-ethyl-N-((ethoxycarbonylmethyl)aminocarbonyl)sulfilimine;
- S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-(methylthiocarbamoyl)sulfilimine;
- S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-ethyl-
- 10 N-(ethoxycarbonylaminocarbonyl)sulfilimine;
- S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-(formyl)sulfilimine;
- S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-(cyano)sulfilimine;
- 15 S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-(1,2-dioxopropyl)sulfilimine;
- S-{{5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-(tert-butoxycarbonyl)sulfilimine;
- S-{{5-Amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-
- 20 (formyl)sulfilimine;
- S-{{5-Amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-(acetyl)sulfilimine;
- S-{{5-Amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl}-4-(1H-pyrazolyl)}-S-methyl-N-(cyano)sulfilimine;
- 25 S-{{5-Amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-methyl}-4-(1H-pyrazolyl)}-S-ethyl-N-(formyl)sulfilimine;
- S-{{5-Amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-methyl}-4-(1H-pyrazolyl)}-S-ethyl-N-(cyano)sulfilimine;
- S-{{5-Amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-ethyl}-4-(1H-pyrazolyl)}-S-ethyl-
- 30 N-(formyl)sulfilimine;
- S-{{5-Amino-1-(2,6-dichloro-4-trifluoromethyl)phenyl-3-ethyl}-4-(1H-pyrazolyl)}-S-ethyl-N-(cyano)sulfilimine;

N-(tert-Butoxycarbonyl)-S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenylpyrazolyl]-S-ethylsulfoximine ; N-Acetyl-S-4-[5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenylpyrazolyl]-S-ethylsulfoximine ; S-4-[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenylpyrazolyl]-S-ethylsulfoximine ; S-[5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl)phenyl-4-(1H-pyrazolyl)]-S-methyl-N-[(4-methylphenyl)sulfonyl]sulfilimine;
S-4-[5-Amino-3-cyano-1-(2-(3-chloro-5-trifluoromethyl)pyridyl)pyrazolyl]-S-ethylsulfoxide

- 10 8. A pesticidal composition comprising a pesticidally effective amount of a compound according to any one of the foregoing claims and an agriculturally acceptable inert carrier.
9. A method for controlling arthropod, nematode, helminths or protozoan pests at a locus, said method comprising applying to said locus a pesticidally effective amount of a
- 15 compound or a composition according to any one of the foregoing claims.

INTERNATIONAL SEARCH REPORT

Intern al Application No
PCT/EP 96/02363

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 C07D231/44 A01N43/56		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 6 C07D A01N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP,A,0 201 852 (BAYER AG) 20 November 1986 see claim 1 & US,A,4 804 675 cited in the application ---	1-9
A	GB,A,1 603 122 (SHELL INT RESEARCH) 18 November 1981 see claim 1; examples -----	1-9
<div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Further documents are listed in the continuation of box C... <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents :</p> <p>* "A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>* "E" earlier document but published on or after the international filing date</p> <p>* "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>* "O" document referring to an oral disclosure, use, exhibition or other means</p> <p>* "P" document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>* "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>* "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>* "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>* "&" document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-size: 1.2em;">20 August 1996</div>		Date of mailing of the international search report <div style="text-align: center; font-size: 1.2em;">29.08.96</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+ 31-70) 340-3016		Authorized officer <div style="text-align: center; font-size: 1.2em;">De Jong, B</div>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 96/02363

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		AU-B- 580164	05-01-89
		AU-B- 5736886	20-11-86
		CA-A- 1296732	03-03-92
		JP-A- 7070077	14-03-95
		JP-B- 7080856	30-08-95
		JP-B- 6062579	17-08-94
		JP-A- 61268671	28-11-86
		US-A- 4945165	31-07-90
		US-A- 4804675	14-02-89

GB-A-1603122	18-11-81	NONE	

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